LEGEND OF SYMBOLS

- EXISTING MANHOLE
- EXISTING CURB INLET
- PROPOSED CURB INLET
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- W — EXISTING WATER METER
- EXISTING GAS VALVE
- G — GAS METER/GAS RISER
- STREET LIGHT
- POWER POLE
- GUY ANCHOR
- HCR — EXISTING HANDICAP RAMP
- TRAFFIC SIGNAL PULLBOX
- E — POWER BOX (IN GROUND)
- P — POWER RISER
- T — TELEPHONE RISER
- SIGN
- MB — MAILBOX
- CONTROL POINT
- SOIL BORINGS
- TREE
- GATE

- EXISTING FENCES
- EXISTING GUARD RAIL
- EXISTING ROADS, DRIVEWAYS, PARKING, AND SIDEWALKS
- C.R.L.
- PROPERTY LINE
- RIGHT-OF-WAY LINES-EXISTING
- EXISTING AERIAL POWER LINES
- EXISTING UNDERGROUND POWER LINES
- EXISTING SANITARY SEWERS
- EXISTING WATER LINES
- RCP — EXISTING STORM SEWER

DESIGN SPEED 35 MPH
AADT (2021)=3,325
AADT (2041)=4,650

CITY OF TULSA, OKLAHOMA

CONSTRUCTION PLANS FOR

ARTERIAL STREET RECONSTRUCTION

GILCREASE MUSEUM RD.
(N. 25TH W. AVE.)
W. ADMIRAL BLVD. TO W. PINE ST.

PROJECT NOS. 2036W0001Z, 2036A0024Z & TWUA-W 22-37

PUBLIC WORKS DEPARTMENT

TULSA, OKLAHOMA

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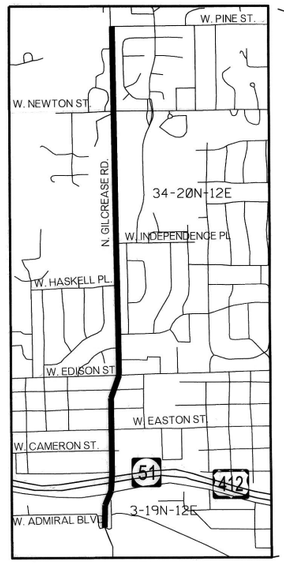
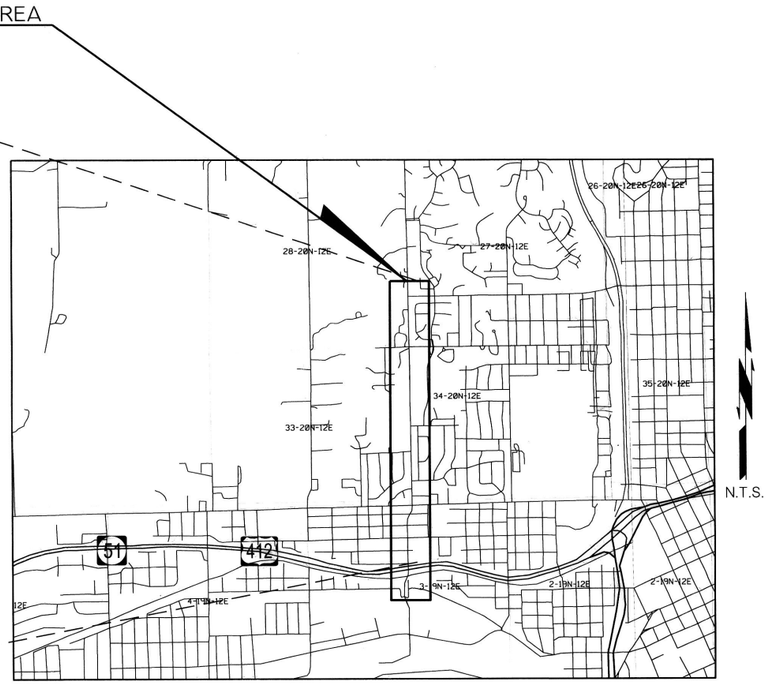
PROJECT NOs. 2036W0001Z, 2036A0024Z & TWUA-W 22-37

UTILITY CONTACTS

AT&T	ALFORD NICHOLS	(539) 444-1069
COX COMM.	JASON HOLT	(918) 830-7238
ONG	CODY YOST	(918) 352-5745
AEP/PSO	LONNY HICKS	(918) 250-6211
CITY OF TULSA UTILITY COORDINATOR	TONY GLENN	(918) 596-9245
MTTA	ERIC SMITH	(918) 830-0024





N.T.S.

ENTIRE PROJECT IS WITHIN THE CORPORATE AND URBAN LIMITS OF THE CITY OF TULSA

2 LANE - 1.07 MILES WIDENING
4 LANE - 0.2 MILES REHABILITATION

CONTROL SURVEY DATA

PERMANENT BENCHMARK REFERENCES:
ADS# 2016-18, 3" ALUMINUM CAP SET FLUSH IN CONCRETE POST-STAMPED "2016-18"-SOUTH SIDE OF E. 11TH ST., AND WEST OF S. LEWIS PL.
N=424128.682
E=2571530.671
ELEV.=746.030'

ADS# 2016-21, 3" ALUMINUM CAP SET FLUSH IN CONCRETE POST-STAMPED "2016-21"-SOUTH SIDE OF E. ARCHER ST., AND WEST OF N. MADISON AVE.
N=429269.088
E=2564688.182
ELEV.=727.928'

1. HORIZONTAL CONTROL:
   A. HORIZONTAL CONTROL FOR THIS SURVEY IS THE NAD83(1993) OKLAHOMA STATE PLANE COORDINATE SYSTEM NORTH ZONE.
   B. ACCURACY - 3RD ORDER OR BETTER.

2. BEARINGS:
   THE BEARINGS SHOWN HEREIN OR HEREON ARE "GRID" BEARINGS DERIVED FROM NGS OKLAHOMA PLANE COORDINATE SYSTEM AND RE NOT ASTRONOMICAL.

3. VERTICAL CONTROL:
   A. LEVEL DATUM IS SEA MEAN LEVEL DATUM OF (NGS) NAVD 1988.
   B. ACCURACY - 3RD ORDER OR BETTER.

THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REQUIREMENTS.

IN ACCORDANCE WITH ODOT SECTION 105.14, THE COT IS ANTICIPATING THAT THE SUCCESSFUL CONTRACTOR WILL UTILIZE THE APPROPRIATE MEANS AND METHODS TO ACCOMPLISH THE WORK DESCRIBED IN THE PLANS WITHOUT CAUSING COLLATERAL DAMAGE TO THE EXISTING INFRASTRUCTURE. THE ANTICIPATED CONSTRUCTION PHASING WILL MINIMIZE THE TIME BETWEEN MILLING AND NEW ASPHALT PLACEMENT. LEAVING OPEN MILLED SECTIONS WILL BE AT THE CONTRACTOR'S RISK IN THE EVENT THAT LOCAL OR CONSTRUCTION TRAFFIC CAUSES DAMAGE TO PREVIOUSLY UNDAMAGED AREA. CURRENT CITY OF TULSA CONSTRUCTION BUDGETS DO NOT ALLOW FOR GROWTH OF THE PROJECT.

CURRENT CITY OF TULSA STANDARD SPECIFICATIONS AND DETAILS GOVERN. ALL OTHER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AS ADOPTED BY C.O.T.

ALL WORK NORTH OF EDISON IS WITHIN OSAGE COUNTY, OSAGE INDIAN NATION. ALL MINERAL RESOURCES OF OSAGE COUNTY SHALL BE RETAINED IN OSAGE COUNTY INCLUDING EARTH, ROCK, STONE, RIP-RAP, AND DEMOLISHED STONE WALLS. NO MINERAL RESOURCES WITHIN OSAGE COUNTY SHALL BE EXPORTED OUTSIDE OSAGE COUNTY.

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

COT STANDARDS

102	601	702	763
126	602	708	764
304	603	712	765
304A	606	706	766
305	607A	707	767
306	608B	725	768
307	610A	727	769A
308	610B	729	769B
309	611C	751	775
311	612	752	776
313	613	753	790
315	614A	754	793
322	614B	755	803
327	618	761	804
	621A	762	805
	621B		

ODOT STANDARDS (2019)

BMPR-0	PCES-5-1
TESCA-0	SSCD-4-1
IPD-0	MJB-4-2
RSF-0	SPI-5-2
TSD-0	FPI-4-2
TRFD-0	PBB-1-2
SSS-2-1	FHTMPP-2-1
SMD-4-2	FHTCP-4-1
CSCD-6-2	SBI-5-2
LECS-5-2	RWF3-3-2
LTU-5-1	PUD-4-1
TWD-2-2	DC-4-2
PSMD-2-2	PMD-1-1

ODOT STANDARDS (2009)
RCB-C1-12(2-14)
RCB-C1-6(2-14)

APPROVED BY

Terry O. Bell — 7/3/2025

CITY ENGINEER — DATE

DIRECTOR, WATER AND SEWER DEPARTMENT — DATE

ADVERTISEMENT DATE: _____

PREPARED AND SUBMITTED BY

POE & ASSOCIATES INC.
4606 S. GARNETT RD., STE. 600
TULSA, OK 74146 (918) 665-8800
FAX: (918) 665-6076
CERTIFICATE OF AUTHORIZATION NO. CA 541 P.E., L.S.

JARED T. BATES 20681 OKLAHOMA

Jared T. Bates — 6/20/2025

JARED T. BATES — DATE
REGISTERED P.E. NO. 20681

CERTIFICATE OF AUTHORIZATION NO. CA 541 P.E., L.S.

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-CoverSheet.dgn
6/20/2025

SUMMARY OF PAVING & DRAINAGE QUANTITIES

ITEM	SPEC. NO.	DESCRIPTION	PAY ITEM NOTES								UNIT	QUANTITY
1	201(A)	CLEARING AND GRUBBING	E-1	E-2							LS	1
2	202(A)	UNCLASSIFIED EXCAVATION	E-3	E-4	R-1						CY	59,055
3	202(C)	ROCK EXCAVATION	R-1								CY	5,000
4	205(A)	TYPE A-SALVAGED TOPSOIL									CY	2,800
5	220	SWPPP DOCUMENTATION AND MANAGEMENT	E-6	E-7	E-8	E-9					LS	1
6	230(A)	SOLID SLAB SODDING	E-10	E-11							SY	16,687
7	303(A)	AGGREGATE BASE, TYPE A	E-5	S-1	S-2						CY	10,195
8	310(B)	SUBGRADE, METHOD B	E-5								SY	28,355
9	325	SEPARATOR FABRIC	E-5	S-3							SY	32,844
10	409	FABRIC REINFORCEMENT (MIRAFI PGM-G4)	S-4								SY	4,247
11	411(C)	SUPERPAVE, TYPE S4 (PG 70-28 OK) INSOLUBLE	S-5	S-6	S-7	S-8					TON	476
12	411(E)	SUPERPAVE, TYPE S6(PG 70-28 OK)	S-5	S-6	S-7	S-8	G-1				TON	178
13	412	COLD MILLING PAVEMENT	S-9								SY	4,247
14	414(B)	DOWEL JOINTED P.C.C. PAVT. (PLACEMENT)	S-10	S-11	SP-1						SY	21,746
15	414(B)	DOWEL JOINTED P.C.C. PAVT. W/ INT. CLR. & BRICK STAMP (PLACEMENT	S-10	S-11	SP-1						SY	1,244
16	414(G)	P.C. CONCRETE PAVEMENT	S-10	S-11	S-12	S-13	SP-1				CY	5,437
17	414(G)	P.C. CONCRETE PAVEMENT W/ INT. CLR. & BRICK STAMP (9")	S-10	S-11	S-12	S-13	SP-1				CY	311
18	501(A)	STRUCTURAL EXCAVATION UNCLASSIFIED									CY	233
19	509(A)	CLASS AA CONCRETE									CY	617
20	509(C)	CLASS A CONCRETE, SMALL STRUCTURES	S-12								CY	45
21	509(C)	CLASS A CONCRETE	S-12	S-13							CY	591
22	509(C)	CLASS C CONCRETE	S-12								CY	73
23	511(A)	REINFORCING STEEL									LB	113,188
24	COT 608	GROUND SIGN									SF	494
25	COT 608	1-1/2" SIGN POST									LF	59
26	COT 608	1-3/4" SIGN POST									LF	769
27	COT 608	2" SIGN POST									LF	246
28	609(B)	1'-6" COMBINED CURB AND GUTTER (8" BARRIER)	S-15								LF	11,579
29	610(A)	4" CONCRETE SIDEWALK	S-12	S-13	S-16	S-17					SY	1703
30	610(A)	4" CONCRETE SIDEWALK W/ INT. CLR. & BRICK STAMP	S-12	S-13	S-16	S-17					SY	83
31	610(B)	6" CONCRETE SIDEWALK (ADA RAMPS) AND SIDEPATH	S-12	S-13	S-16	S-17					SY	7196
32	610(B)	6" CONCRETE DRIVEWAY (H.E.S.)	S-12	S-13	S-16	S-17					SY	118
33	610(I)	TACTILE WARNING DEVICE									SF	453
34	611(A)	4' MANHOLE, COMPLETE IN PLACE (STORM)	D-4	D-2	D-3	D-4	D-5				EA	8
35	611(A)	5' MANHOLE, COMPLETE IN PLACE (STORM)	D-1	D-2	D-3	D-4	D-5				EA	9
36	611(A)	6' MANHOLE, COMPLETE IN PLACE (STORM)	D-1	D-2	D-3	D-4	D-5				EA	25
37	611(A)	8' MANHOLE, COMPLETE IN PLACE (STORM)	D-1	D-2	D-3	D-4	D-5				EA	6
38	611(B)	ADDITIONAL DEPTH IN (4' I.D.) MANHOLE (STORM SEWER)	D-4								VF	47
39	611(B)	ADDITIONAL DEPTH IN (5' I.D.) MANHOLE (STORM SEWER)	D-4								VF	41
40	611(B)	ADDITIONAL DEPTH IN (6' I.D.) MANHOLE (STORM SEWER)	D-4								VF	124
41	611(B)	ADDITIONAL DEPTH IN (8' I.D.) MANHOLE (STORM SEWER)	D-4								VF	38
42	611(G)	INLET, RCI DESIGN 1048 W/AMH, COMPLETE IN PLACE	D-1	D-2	D-3	D-7	D-8	D-9	D-10		EA	3
43	611(G)	INLET, RCI DESIGN 1096 W/AMH, COMPLETE IN PLACE	D-1	D-2	D-3	D-7	D-8	D-9	D-10		EA	33
44	611(G)	INLET SMD DESIGN 1, COMPLETE IN PLACE	D-2	D-3	D-7	D-8	D-9	D-10			EA	9
45	611(G)	INLET SMD DESIGN 2A, COMPLETE IN PLACE	D-2	D-3	D-7	D-8	D-9	D-10			EA	3
46	611(G)	INLET SMD DESIGN 2B, COMPLETE IN PLACE	D-2	D-3	D-7	D-8	D-9	D-10			EA	1
47	611(G)	INLET CICI DESIGN 2(A), COMPLETE IN PLACE	D-2	D-3	D-7	D-8	D-9	D-10	D-11		EA	2
48	611(G)	INLET CICI DESIGN 2(D), COMPLETE IN PLACE	D-2	D-3	D-7	D-8	D-9	D-10	D-11		EA	1
49	611(G)	INLET CICI DESIGN 4(B), COMPLETE IN PLACE	D-2	D-3	D-7	D-8	D-9	D-10	D-11		EA	1
50	611(G)	INLET CICI DESIGN 4(D), COMPLETE IN PLACE	D-2	D-3	D-7	D-8	D-9	D-10	D-11		EA	1
51	611(G)	INLET CICI DESIGN 2(A) WITH ACCESS MANHOLE, COMPLETE IN PLACE	D-1	D-2	D-3	D-7	D-8	D-9	D-10	D-11	EA	2
52	611(G)	INLET CDI 42" DESIGN NO.5	D-2	D-3	D-7	D-8	D-9	D-10			EA	1
53	611(G)	INLET CDI 48" DESIGN NO.6	D-2	D-3	D-7	D-8	D-9	D-10			EA	1
54	611(G)	INLET TYPE 1 GPI	D-2	D-3	D-7	D-8	D-9	D-10			EA	2
55	611(H)	ADDITIONAL DEPTH IN RCI 1048 W/ MANHOLE	D-10								VF	10
56	611(H)	ADDITIONAL DEPTH IN RCI 1096 W/ MANHOLE	D-10								VF	111
57	611(H)	ADDITIONAL DEPTH IN CICI DESIGN 2	D-10								VF	5
58	611(H)	ADDITIONAL DEPTH IN CICI DESIGN 4	D-10								VF	4
59	611(H)	ADDITIONAL DEPTH IN CICI DESIGN 2A WITH ACCESS MANHOLE	D-10								VF	9
60	611(L)	JUNCTION BOX, COMPLETE IN PLACE	D-1	D-2	D-3						CF	1,350
61	612(C)	INLET ADJUSTED TO GRADE WITH TYPE C GRATES	S-12	R-2	D-2	D-6	D-7	D-9			EA	2
62	612(E)	VALVE BOX ADJUSTED TO GRADE	S-12	R-2	D-6						EA	7
63	613(A)	54" REINFORCED CONCRETE PIPE (RCP), COMPLETE IN PLACE	D-8	D-12	D-13						LF	114
64	613(EE)	18" CORRUGATED POLYPROPYLENE PIPE (CPP), COMPLETE IN PLACE	D-8	D-12	D-13	D-14	D-15				LF	2,114
65	613(EE)	24" CORRUGATED POLYPROPYLENE PIPE (CPP), COMPLETE IN PLACE	D-8	D-12	D-13	D-14	D-15				LF	406
66	613(EE)	30" CORRUGATED POLYPROPYLENE PIPE (CPP), COMPLETE IN PLACE	D-8	D-12	D-13	D-14	D-15				LF	589
67	613(EE)	36" CORRUGATED POLYPROPYLENE PIPE (CPP), COMPLETE IN PLACE	D-8	D-12	D-13	D-14	D-15				LF	1,200
68	613(EE)	42" CORRUGATED POLYPROPYLENE PIPE (CPP), COMPLETE IN PLACE	D-8	D-12	D-13	D-14	D-15				LF	371
69	613(EE)	48" CORRUGATED POLYPROPYLENE PIPE (CPP), COMPLETE IN PLACE	D-8	D-12	D-13	D-14	D-15				LF	1,182
70	613(EE)	60" CORRUGATED POLYPROPYLENE PIPE (CPP), COMPLETE IN PLACE	D-8	D-12	D-13	D-14	D-15				LF	385
71	613(L)	18" PREFAB. CULVERT END SEC.									EA	1
72	613(L)	36" PREFAB. CULVERT END SEC.									EA	2
73	619(A)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	R-1	R-2	R-3	R-4	R-5				LS	1
74	619(B)	REMOVAL OF PAVEMENT	R-1	R-2	R-5	R-6					SY	20,423
75	619(B)	REMOVAL OF DRIVEWAY	R-1	R-2	R-5	R-6					SY	555
76	619(B)	REMOVAL OF CURB AND GUTTER	R-1	R-2	R-5	R-6					LF	2,215
77	619(B)	REMOVAL OF SIDEWALK	R-1	R-2	R-5	R-6					SY	486
78	619(B)	REMOVAL OF CURB RAMP	R-1	R-2	R-5	R-6					EA	4
79	619(B)	REMOVAL OF DRAINAGE PIPE	R-1	R-2	R-5	R-6					LF	1,147
80	619(B)	REMOVAL OF DRAINAGE INLET	R-1	R-2	R-5	R-6					EA	7
81	619(B)	REMOVAL OF MANHOLE	R-1	R-2	R-5	R-6					EA	1
82	619(B)	REMOVAL OF HEADWALL	R-1	R-2	R-5	R-6					EA	8
83	619(B)	REMOVAL OF GUARDRAIL	R-1	R-2	R-5	R-6					LF	533
84	619(B)	REMOVAL OF RIP-RAP	R-1	R-2	R-5	R-6					SY	248
85	619(B)	REMOVAL OF FENCE	R-1	R-2	R-5	R-6					LF	1,915
86	619(B)	REMOVAL OF NEIGHBORHOOD SIGN	R-1	R-2	R-5	R-6					EA	3
87	619(B)	REMOVAL OF FLAGSTONE DRIVEWAY	R-1	R-2	R-5	R-6					SY	67
88	619(B)	REMOVAL OF GATE AND STONE COLUMNS	R-1	R-2	R-5	R-6					EA	1
89	619(B)	REMOVAL OF ROCK WALL	R-1	R-2	R-5	R-6					LF	991
90	619(B)	REMOVAL OF RETAINING WALL	R-1	R-2	R-5	R-6					LF	180
91	619(B)	REMOVAL OF CONCRETE DITCH LINER	R-1	R-2	R-5	R-6					LF	200
92	619(B)	REMOVAL OF IRON PIPE	R-1	R-2	R-5	R-6					LF	632
93	624	ORNAMENTAL 72" AMERISTAR FENCE									LF	698
94	624	(PL) WOOD PRIVACY FENCE (6' HIGH)									LF	375
95	624(E)	FENCE-STYLE CLF (4' HIGH, CLASS A, TOP RAIL)									LF	332
96	624(E)	FENCE-STYLE CLF (6' HIGH, VINYL COATED, SMOOTH TOP WIRE)									LF	1,202
97	624(F)	GATE-STYLE CLF (6' HIGH X 12' LONG, VINYL COATED)									EA	2
98	624(H)	(PL) INSTALL ORNAMENTAL GATE SUPPLIED BY OWNER									EA	1
99	624(H)	(PL) GATE - ORNAMENTAL (6' HIGH X 8' LONG, STEEL)									EA	2
100	624(H)	(PL) CONCRETE GATE COLUMNS, COMPLETE, IN PLACE									EA	4
101	640(A)	FIELD OFFICE									EA	1
102	641	MOBILIZATION	G-2								EA	1
103	642	CONSTRUCTION STAKING LEVEL II	G-3	G-4							EA	1
104	855(A)	TRAFFIC STRIPE(4") (THERMOPLASTIC)	T-3								LF	25,986
105	855(A)	TRAFFIC STRIPE(12") (THERMOPLASTIC)	T-3								LF	100
106	855(A)	TRAFFIC STRIPE(24") (THERMOPLASTIC)	T-3								LF	1,072
107	855(B)	TRAFFIC STRIPE(THERMOPLASTIC)(SYMBOLS, WORDS, ETC)	T-3								EA	25
108	855(B)	TRAFFIC STRIPE(THERMOPLASTIC)(SOLID GREEN FILL)	T-3								SF	150
109	857(C)	REMOVABLE PAVEMENT MARKING TAPE									LF	5,000
110	857(E)	CONSTRUCTION ZONE PAVEMENT MARKERS (FLEX TABS) TYPE 2-2									EA	2,500
111	857(F)	PAVEMENT MARKING REMOVAL									LF	2,000
112	880(A)	ARROW DISPLAY	T-4								SD	1,600
113	880(B)	SIGNS 0.00 TO 6.25 SF	T-2	T-4	T-5						SD	20,000
114	880(B)	SIGNS 6.26 TO 15.99 SF	T-2	T-4	T-5						SD	20,000
115	880(B)	SIGNS 16.00 AND UP	T-2	T-4	T-5						SD	20,000
116	880(C)	BARRICADES (TYPE III)	T-2	T-4	T-5						SD	8,000
117	880(E)	TYPE "A" WARNING LIGHT	T-5								SD	24,000
118	880(F)	DRUMS	T-2	T-4	T-5						SD	30,000
119	880(G)	TUBE CHANNELIZERS	T-2	T-4							SD	40,000
120	880(I)	FLAGGER	T-6								FD	500
121	882(B)	(PL) REMOTE CONTROLLED CHANGEABLE MESSAGE SIGN	T-4								SD	1,600
122	SPECIAL	PROJECT SIGN (CITY OF TULSA)	T-7								EA	2
123	SPECIAL	URBAN RIGHT-OF-WAY RESTORATION	G-5	G-6	G-7	G-8	G-9	G-10			EA	1
124	SPECIAL	OWNER ALLOWANCE									EA	150,000
125	SPECIAL	SIGNAGE FOR LOCAL BUSINESS ACCESS (BAS-1)	T-4								SD	500
126	SPECIAL	TEMPORARY FENCE									LF	2,800
127	COT 202	QUICK SET FLOWABLE FILL	G-1	D-8							CY	200
128	COT 334	CONSTRUCTION AS-BUILTS									LS	1
129	COT 335	CONTRACTOR'S QUALITY CONTROL									LS	1
130	SPECIAL	PVC DRAIN BASIN, CONNECT UNDERDRAIN TO 13" HDPE SLIPLINE									EA	1
131	COT 409	SLIPLINE 18" CMP SD WITH SDR 26HDPE, 13.38"O.D.									LF	140

NOTE:
ITEMS LISTED OR SHOWN ON DRAWINGS AND/OR DESCRIBED IN THE SPECIFICATIONS THAT ARE NOT INCLUDED AS A SEPARATE PAY ITEM QUANTITY SHALL BE CONSIDERED INCIDENTAL AND THE COST SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS. THE PRICE BID FOR ALL WORK SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, INCIDENTALS, AND ALL OTHER REQUIRED ITEMS TO COMPLETE THE WORK AS SHOWN ON PLANS AND SPECIFICATIONS.

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
811
1-800-522-OKIE
CALL OKIE

(version: 11/14/2018)

PAVING & DRAINAGE (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A
FILE: H:\21-1009
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

DRAWN POE 06/2023
DESIGNED POE 06/2023
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED: 7-25
DESIGN MANAGER
CITY ENGINEER
DRAWING:21-1009-Pay Quantities-Notes
DATE: 7/3/2025
SHEET 2 OF 268 SHEETS

APPROVED:

PAY ITEM NOTES - PAVING & DRAINAGE

(version: 11/14/2018)

E-1 ALL COSTS FOR REMOVING TREES, SHRUBS, STUMPS, POSTS, AND ALL OTHER DEBRIS AND/OR OBSTRUCTIONS NOT COVERED BY A SEPARATE PAY ITEM ARE INCLUDED IN THE PRICE BID.

E-2 ALL EXISTING DRAINAGE STRUCTURES SHALL BE CLEANED AND CLEARED OF ALL SEDIMENTATION AND DEBRIS TO THE RIGHT OF WAY. COST OF CLEARING SHALL BE INCLUDED IN THE PRICE BID.

E-3 THE CONTRACTOR SHALL BE PAID FOR UNCLASSIFIED EXCAVATION ON THE BASIS OF PLAN QUANTITY. ANY ADDITIONAL EXCAVATION REQUIRED OR OVERRUN OF PLAN QUANTITY WILL BE PAID FOR ON THE BASIS OF UNIT PRICE BID FOR THE ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SURVEY TO VERIFY ANY ADDITIONAL QUANTITIES.

E-4 UNCLASSIFIED EXCAVATION INCLUDES REMOVAL OF AGGREGATE BASE AND MODIFIED SUBGRADE UNDER EXISTING PAVEMENT TO BE REPAIRED.

E-5 NOT USED

E-6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL AND MAINTENANCE OF THE STORM WATER DRAINAGE FROM THE CONSTRUCTION SITE. STORM WATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED. ALL COST ASSOCIATED WITH STORM WATER MANAGEMENT, AS WELL AS REMOVAL OF ALL SILT AND DEBRIS FROM ALL DRAINAGE STRUCTURES, STORM SEWER PIPES AND APPURTENANCES WITHIN THE PROJECT LIMITS AT END OF PROJECT, SHALL BE INCLUDED IN THE UNIT PRICE BID

E-7 EROSION PROTECTION SHALL BE PLACED AS FOLLOWS:
A) AROUND INLETS TO PREVENT INFLOW OF ERODED MATERIAL INTO STORM SEWER SYSTEM;
B) IN LOCATIONS THROUGHOUT PROJECT SITE, AS DETERMINED BY THE ENGINEER, TO PREVENT WASH OF ERODED MATERIAL ONTO ADJACENT PROPERTY;
C) FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS, AS DIRECTED BY THE ENGINEER;
D) WITH PERIODIC REMOVAL OF SEDIMENT IN ACCORDANCE WITH STORMWATER MANAGEMENT PLAN.
ALL COST FOR ITEMS A-D ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.

E-8 PRICE BID SHALL INCLUDE MAINTENANCE, SEDIMENT REMOVAL, DISPOSAL, AND REMOVAL OF FILTERS AT PROJECT COMPLETION.

E-9 INCLUDES **47** TYPE **1A** FILTERS.

E-10 ESTIMATED QUANTITY IS BASED ON SODDING OF ALL DISTURBED AREAS OUTSIDE THE FINAL PAVING LIMITS AND WITHIN THE FINAL GRADING LIMITS AS INDICATED BY THE TOP-OF-CUT/TOE-OF-SLOPE LINE ON THE PLANS (EXCLUDING SURFACES OF STRUCTURES, FIXTURES AND APPURTENANCES). SOD SHALL BE OF LIKE-KIND TO EXISTING SOD. PRICE BID INCLUDES PLACEMENT AND COMPACTION OF SUITABLE BACKFILL. ANY EXISTING GRASSED AREAS BEYOND THE ABOVE STATED LIMITS THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESODDED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S SOLE EXPENSE.

E-11 COST OF WATERING AND FERTILIZING SHALL BE INCLUDED. FERTILIZERS SHALL BE 10-20-10 AND SHALL BE APPLIED AT THE RATE OF 1.5 LBS PER 10 SQ YDS. FERTILIZER SHALL BE APPLIED PER SECTION 230.04H OF ODOT STANDARD SPECIFICATIONS. WATERING SHALL BE APPLIED AS NECESSARY UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE WORK IS ACCEPTED AS COMPLETE.

S-1 TYPE A AGGREGATE BASE WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 90% OF THE PATCHING. QUICK SET FLOWABLE FILL WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 10% OF THE PATCHING. ACTUAL QUANTITIES TO BE DETERMINED BY THE ENGINEER.

S-2 INCLUDES COMPACTION OF AGGREGATE TO 98% AASHTO T180 MODIFIED PROCTOR.

S-3 SEPARATOR FABRIC SHALL BE USED AT ALL PAVEMENT PATCHES AND RECONSTRUCTION SECTIONS. THE SEPARATOR FABRIC SHALL BE CUT AND OVERLAPPED A MINIMUM OF 2 FT AT ALL EDGES OF THE REPAIR.

S-4 FABRIC REINFORCEMENT SHALL BE USED ON OVERLAY AREAS. THE COST OF BITUMINOUS BINDER FOR FABRIC REINFORCEMENT SHALL BE INCLUDED IN THE UNIT COST OF THIS PAY ITEM. THE BITUMINOUS BINDER SHALL MEET ODOT STANDARD SPECIFICATIONS AND THE RECOMMENDATIONS OF THE FABRIC REINFORCEMENT MANUFACTURER.

S-5 THE COST OF TACK COAT, EDGE JOINT SEAL MATERIAL AND SCREENINGS FOR BLOTTING, AND ALL LABOR ASSOCIATED WITH THESE ITEMS, SHALL BE INCLUDED IN ASPHALT CONCRETE.

S-6 ESTIMATED AT 112 LBS PER SQ YD PER 1 INCH THICK.

S-7 ODOT PAY FACTOR FOR AVERAGE LOT DENSITY SHALL NOT BE USED FOR THIS PROJECT. FAILURE TO REACH AVERAGE LOT DENSITY OF 92%-97% WILL RESULT IN REJECTION OF WORK.

S-8 A HIGHER GRADE OF ASPHALT BINDER THAN IS INDICATED ON THE PLANS MAY BE USED, BUT AT NO ADDITIONAL COST TO THE CITY.

NOTE S8 TABLE			
BINDER[2] GRADE	MESALs	ADT[1]	NOTES
PG 64-22 OK	< 3	< 5,000	USE WHEN MORE THAN 4-6 INCHES BELOW THE SURFACE. ALSO USE FOR SHOULDERS, DRIVEWAYS, BELOW PCC, AND TEMPORARY CONSTRUCTION.
PG 70-28 OK	< 10	< 10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES.
PG 76-28 OK	>= 10	>= 10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES .
PG 76-28 E	—	—	CONTACT ODOT MATERIALS DIVISION FOR RECOMMENDED USE.
[1] USE ADT ONLY WHEN ESAL COMPUTATIONAL DATA IS NOT AVAILABLE. CALCULATE .			
[2] PG 70-28 OK OR PG 76-28 OK MAY BE DESIRABLE IN HIGH VOLUME AREAS WHERE SLOW,			

S-9 THIS ITEM INCLUDES ALL COSTS ASSOCIATED WITH COLD MILLING AND TO PROVIDE BUTT JOINTS AS REQUIRED. NO ADDITIONAL PAYMENT SHALL BE MADE FOR COLD MILLING BEYOND THE AVERAGE DEPTH SHOWN ON THE TYPICAL SECTIONS.

S-10 FOR P.C. CONCRETE TYPICAL SECTIONS, CONTRACTOR MAY SUBSTITUTE INTEGRAL CURB FOR CURB & GUTTER, AND VICE VERSA, ONLY WITH APPROVAL OF THE ENGINEER, WITH NO ADJUSTMENT MADE TO UNIT PRICE OR QUANTITY.

S-11 CONCRETE PAVEMENT SHALL BE COMPLETE IN PLACE. NO PARTIAL OR FINAL PAYMENT SHALL BE MADE UNTIL PAVEMENT HAS BEEN SAWED AND SEALED. ANY SECTIONS OF PAVEMENT WITH UNAPPROVED DEVIATIONS FROM THE JOINT LAYOUT PROVIDED IN THE PLANS MAY BE REJECTED AT THE DISCRETION OF THE ENGINEER.

S-12 THE USE OF FLY-ASH IN CONCRETE IS PROHIBITED.

S-13 INCLUDES ALL COST OF SAWED JOINTS AND SEALING OF ALL JOINTS INCLUDING LONGITUDINAL JOINTS.

S-14 NOT USED

S-15 THIS ITEM SHALL BE MEASURED AS THE ACTUAL AMOUNT OF CURB AND/OR GUTTER INSTALLED. NO PAYMENT WILL BE MADE FOR CURB AND/OR GUTTER THROUGH DRIVEWAYS AND INLETS.

S-16 CURB, GUTTER, AND/OR SIDEWALK ASSOCIATED WITH THE DRIVEWAY AND THROUGH THE DRIVEWAY IS INCLUDED IN THE COST OF THE DRIVEWAY.

S-17 ONE SIDEWALK PANEL ON EACH SIDE OF DRIVEWAYS SHALL BE A MINIMUM OF 6" THICK OR MATCH EXISTING DRIVEWAY THICKNESS, WHICHEVER IS GREATER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE COST OF THE THICKENED SIDEWALK THROUGH THIS AREA.

S-18 NOT USED

S-19 NOT USED

S-20 NOT USED

S-21 THIS PAY ITEM INCLUDES THE FOLLOWING:

A. SAW CUTTING
B. REMOVAL OF THE EXISTING CONCRETE AND/OR ASPHALTIC CONCRETE ROADWAY (CY)
C. TYPE S3 ASPHALTIC CONCRETE OR PC CONCRETE COMPLETE AND IN PLACE PER DETAIL
D. SEALING OF EDGES AND TACK COAT

DOES NOT INCLUDE THE FOLLOWING:

A. UNCLASSIFIED EXCAVATION
B. SUBGRADE METHOD B (SY)
C. SEPARATOR FABRIC (SY)
D. AGGREGATE BASE (TYPE A)
E. ASPHALT CONCRETE LEVELING OR SURFACE COURSE

G-1 LOCATIONS TO BE DETERMINED IN THE FIELD AND WORK TO BE PERFORMED AT THE DIRECTION OF THE FIELD ENGINEER. QUANTITY IS ESTIMATED AND MAY BE OMITTED IN ITS ENTIRETY.

G-2 MAXIMUM OVERALL DOLLAR AMOUNT AND SCHEDULE OF PAYMENTS SHALL BE IN ACCORDANCE SECTION 641 OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION. EXCLUDES MOBILIZATION FOR WATERLINE WORK.

G-3 CONSTRUCTION STAKING SHALL INCLUDE SURVEYING AND THE FURNISHING, PLACING, AND MAINTAINING OF THE CONSTRUCTION LAYOUT STAKES NECESSARY FOR THE PROPER COMPLETION AND INSPECTION OF THE ENTIRE PROJECT.

G-4 THE COST TO REPLACE REMOVED OR DAMAGED SECTION CORNERS AND ALL OTHER PERMANENT RIGHT OF WAY MARKERS SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM. NO ADDITIONAL PAYMENT WILL BE MADE.

G-5 CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS DAMAGED OR REQUIRING RELOCATION DURING THE CONSTRUCTION OF THIS PROJECT TO THE SATISFACTION OF THE PROPERTY OWNER AND CITY ARBORIST. COST SHALL BE INCLUDED IN THE PRICE BID.

G-6 ALL HOUSE NUMBERS SHALL BE REPLACED/ REESTABLISHED THROUGHOUT PROJECT LIMITS. COST TO BE INCLUDED IN URBAN RIGHT OF WAY RESTORATION. CONTRACTOR SHALL REESTABLISH DRAINS, ROOF DRAINS AND OTHER DRAINAGE THROUGH THE CURBS IN ACCORDANCE WITH CITY OF TULSA STANDARD 758. NO NEW CURB OUTLETS SHALL BE CONSTRUCTED WITHOUT APPROVAL OF THE ENGINEER.

G-7 AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST SHALL OVERSEE ALL PLANTINGS AND/OR REMOVAL OF TREES. CONTACT CITY ARBORIST TO ACCEPT FINAL PLANTINGS.
CONTACT #: 918-596-2548

G-8 TREE GRATES ARE NOT ACCEPTABLE PER CITY ARBORIST. CONCRETE PAVERS ARE TO BE USED AS NECESSARY AROUND TREES.

G-9 CONTRACTOR SHALL COORDINATE WITH HOMEOWNERS TO RESET ALL PAVERS, LANDSCAPE STONE, PRIVATE SIDEWALKS AND FENCES THAT ARE DISTURBED DURING CONSTRUCTION OPERATIONS. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR RESETTING OF SUCH ITEMS IS TO BE INCLUDED IN PRICE BID FOR URBAN RIGHT OF WAY RESTORATION.

G-10 PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION.

R-1 WASTE MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE IN A MANNER APPROVED BY THE ENGINEER.

R-2 ALL SAW CUTTING AND REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM TO BE ADJUSTED, REMOVED, REPAIRED, OR REPLACED.

R-3 PAY ITEM INCLUDES REMOVAL OF ALL STRUCTURES AND OBSTRUCTIONS WITHIN PROJECT LIMITS NOT SPECIFIED BY OTHER ITEMS OF WORK.

R-4 INCLUDES SAWING NOT INCLUDED IN OTHER ITEMS OF WORK.

R-5 ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED CONDITION.

R-6 SHALL INCLUDE ALL COSTS ASSOCIATED WITH PLUGGING/ PATCHING HOLES IN EXISTING STRUCTURES TO REMAIN.

D-1 THIS ITEM SHALL INCLUDE THE COST OF NEW MANHOLE FRAME AND COVER PER CITY OF TULSA STD NOS. 752, 753, 754, 761, 762, 769A, 769B AND 775.

D-2 THE TOTAL COST FOR RUBBERIZED ASPHALT AND/OR SILICONE AT MANHOLES, VALVE BOXES, INLETS, AND INLET APRONS, SHALL BE INCLUDED.

D-3 NO MASONRY STRUCTURES SHALL BE CONSTRUCTED WITHIN THE RIGHT OF WAY.

D-4 ADDITIONAL DEPTH IN A MANHOLE SHALL BE MEASURED FROM 6FT AS MEASURED FROM THE TOP OF RIM TO THE LOWEST FLOWLINE.

D-5 ALL MANHOLES SHALL BE COMPLETE IN PLACE. THIS PAY ITEM INCLUDES FRAME, COVER, CONCRETE AND ALL OTHER INCIDENTALS REQUIRED FOR PLACEMENT.

D-6 ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT SEWER OPERATIONS AND MAINTENANCE, 9319 E. 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY.

D-7 INCLUDES THE COST REQUIRED TO MAKE CONNECTION AND REMOVAL OF EXISTING INLETS. THE COST OF PC CONCRETE CURB AND GUTTER THROUGH THE INLET, 5' EACH SIDE OF THE INLET, AND THE PC CONCRETE INLET APRON SHALL BE INCLUDED. GRATE AND FLOWLINE ELEVATIONS SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE NOTED IN THE PLANS.

D-8 QUICKSET FLOWABLE FILL SHALL BE USED TO BACKFILL AROUND STREET CURB INLETS AND REINFORCED CONCRETE PIPE, AS NEEDED, AT THE DIRECTION OF THE ENGINEER.

D-9 ALL INLETS, COMPLETE IN PLACE, SHALL BE CAST IN PLACE CONCRETE OR PRECAST CONCRETE. THIS PAY ITEM INCLUDES ANY INLET FRAME(S), GRATE(S), HOOD(S) AND CONCRETE REQUIRED FOR COMPLETE INSTALLATION OF STRUCTURE PER THE CONSTRUCTION DOCUMENTS.

D-10 ADDITIONAL DEPTH QUANTITIES SHALL BE MEASURED AND PAID FOR ALL INLETS EXCEEDING STANDARD DEPTH. STANDARD DEPTHS ARE AS FOLLOWS:

A) CAST IRON CURB INLET: 3.71 VF, MEASURED FROM CENTER ELEVATION OF LOWEST CAST IRON CURB TO FLOWLINE OF OUTLET PIPE.
B) RECESSED CURB INLET: 3.00 VF, MEASURED FROM TOP OF SLAB TO FLOWLINE OF OUTLET PIPE.
C) STANDARD DROP INLET: SEE STANDARD DETAILS 770, 771, 772 AND 773 - VARIES BASED ON PIPE SIZE, MEASURED FROM LOWEST ELEVATION OF INFLOW APRON TO FLOWLINE OF OUTLET PIPE.

D-11 CAST IRON CURB INLET CONFIGURATION NAMING CONVENTION PROVIDED IN COT STANDARD NO. 755. SEPARATE DETAILS SHALL BE REFRENCED OR PROVIDED IN THE PLANS FOR NON-CITY-STANDARD INLETS.

STANDARD NAMING: CICI DES G(T) [W/AMH]

G: NUMBER OF GRATES.

T: LETTER(S) CORRESPONDING TO ARRANGEMENT OF CAST IRON HOODS TO BE INSTALLED UPSTREAM OF GRATES.

W/AMH: IF SHOWN, INLET TO BE CONSTRUCTED WITH ATTACHED ACCESS MANHOLE.

D-12 REINFORCED CONCRETE PIPE TO BE CLASS III. ALL REINFORCED CONCRETE PIPE AND MANHOLES TO BE SUPPLIED WITH AN OMNI-FLEX JOINT GASKET OR APPROVED EQUAL. MASTIC JOINT SEALANT SHALL NOT BE ALLOWED.

D-13 THIS PAY ITEM SHALL BE COMPLETE IN PLACE AND SHALL INCLUDE ALL PIPE, STANDARD BEDDING MATERIAL AND TRENCH EXCAVATION, JOINT GASKETS AND ALL OTHER INCIDENTALS. NO ADDITIONAL COST WILL BE MADE. PRIOR TO ACCEPTANCE, INTERIOR OF PIPE SHALL BE INSPECTED FOR DEFECTS USING SELF-PROPELLED MOBILE CLOSED-CIRCUIT CAMERA SYSTEM.

D-14 WHERE CORRUGATED POLYPROPYLENE PIPE CONNECTS TO REINFORCED CONCRETE STRUCTURES, CONTRACTOR SHALL ENSURE CONNECTIONS ARE WATER-TIGHT AND FULLY SEALED AGAINST SOIL INFILTRATION.

D-15 WHERE QUICKSET FLOWABLE FILL IS USED TO BACKFILL AROUND CORRUGATED POLYPROPYLENE PIPE, THE CONTRACTOR SHALL UTILIZE AN ANCHORING SYSTEM APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. ALL COSTS FOR LABOR, EQUIPMENT AND MATERIALS REQUIRED TO IMPLEMENT APPROVED ANCHORING SYSTEM INCLUDED IN PRICE BID FOR CORRUGATED POLYPROPYLENE PIPE.

T-1 NOT USED

T-2 REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.

T-3 ALL PLASTIC PAVEMENT MARKINGS SHALL BE:
EXTRUDED-APPLIED THERMOPLASTIC (USE ON ASPHALT PAVEMENT AND CONCRETE PAVEMENT). THERMOPLASTIC PAVEMENT MARKINGS SHALL ONLY BE APPLIED WHEN THE SURFACE TEMPERATURE EXCEEDS 55°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION AND MAXIMUM WIND GUSTS ARE BELOW 15 MPH AT THE TIME OF APPLICATION. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION. MECHANICALLY APPLIED PREFORMED PLASTIC TAPE ("COLD TAPE") WILL NOT BE ACCEPTED.

T-4 PAYMENT SHALL BE MADE ON A SIGN-DAY BASIS ONLY FOR TRAFFIC CONTROL DEVICES THAT ARE PROPERLY INSTALLED AND IN GOOD WORKING ORDER. COSTS FOR DELIVERY, INSTALLATION, RELOCATION, MAINTENANCE REMOVAL AND REPLACEMENT, AS NEEDED AT THE DISCRETION OF THE ENGINEER, INCLUDED IN UNIT PRICE BID.

T-5 IF WARNING LIGHTS ARE TO BE USED ON TRAFFIC CONTROL DEVICES, TYPE "A" LIGHTS SHALL ONLY BE USED ON DEVICES WARNING OF UNEXPECTED HAZARDS, AND SHALL NOT BE USED FOR DELINEATION OF THE TRAVELED WAY. ONLY TYPE "C" WARNING LIGHTS SHALL BE USED FOR DELINEATION OF THE TRAVELED WAY, AND TYPE "C" LIGHTS SHALL NOT BE USED FOR ANY OTHER PURPOSE.

T-6 THE PAY ITEM FOR FLAGGER SHALL BE PAID FOR ON A FLAG DAY (F.D.) BASIS. ONE F.D. IS ONE COMPLETE WORKDAY AS PERFORMED BY THE CONTRACTOR SET FORTH IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

T-7 PRICE BID FOR THIS ITEM INCLUDES INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF PROJECT SIGN.

SP-1 NOT USED

SP-2 ALL STEEL REINFORCEMENT, UNLESS OTHERWISE NOTED, SHALL BE COATED WITH A RED OXIDE COATING, INCLUDING THE ENDS, TO PROVIDE RUST PROTECTION. ALL BARS SHALL BE THOROUGHLY CLEANED FREE OF ANY DIRT, RUST OR DELETERIOUS MATERIAL PRIOR TO PLACEMENT . LOAD TRANSFER UNITS (LTU) FOR DOWEL JOINTED PAVEMENT SHALL BE EPOXY COATED PER THE CURRENT ODOT STANDARD (LTU-5).

SP-3 ADA RAMPS SHALL BE PAID FOR AS 6" CONCRETE SIDEWALK.

SP-4 PEDESTRIAN SIGNAL SYSTEMS TO BE UPDATED AND MODIFIED. DETAILS BE ADDED AT NEXT SUBMITTAL.

SP-5 TYPE OF RAILING/BARRIER PROTECTION ON TOP OF RETAINING WALLS TO BE DETERMINED AT A LATER DATE.

SP-6 PAY QUANITITY IS AN ESTIMATED QUANTITY. ACTUAL QUANTITY TO BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.

SP-7 ITEMS LISTED OR SHOWN ON DRAWINGS AND/OR DESCRIBED IN THE SPECIFICATIONS THAT ARE NOT INCLUDED AS A SEPARATE PAY ITEM QUANTITY SHALL BE CONSIDERED INCIDENTAL AND THE COST SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS. THE PRICE BID FOR ALL WORK SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, INCIDENTALS, AND ALL OTHER REQUIRED ITEMS TO COMPLETE THE WORK AS SHOWN ON PLANS AND SPECIFICATIONS.

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

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PAVING & DRAINAGE (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

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DRAWN POE 06/2023
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RECOMMENDED:
DESIGN MANAGER
CITY ENGINEER
DRAWING: 21-1009-Pay Quantities-Notes
DATE: 7/3/2025

APPROVED:

ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

SHEET 3 OF 268 SHEETS

GENERAL CONSTRUCTION NOTES (version: 11/14/2018)

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AS ADOPTED BY C.O.T. AND THE CURRENT CITY OF TULSA ENGINEERING SERVICES DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS AND CITY OF TULSA SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND SANITATION. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT, AND TAKE ANY OTHER NEEDED ACTION ON AS HIS OWN RESPONSIBILITY OR AS THE ENGINEER MAY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.
3. PAY ITEMS SHALL BE AS SPECIFIED ON THE CITY OF TULSA OR ON THE ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.
5. THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCEMENT OF WORK TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS. THE FOLLOWING IS A LIST OF UTILITY OWNERS; AT&T, PUBLIC SERVICE COMPANY OF OKLAHOMA (AEP), OKLAHOMA NATURAL GAS (ONG), COX COMMUNICATIONS, MCI/VERIZON, EASYTEL COMMUNICATIONS, WELLSCO VALLOR TELECOM, CITY OF TULSA-WATER AND SEWER, CITY OF TULSA-TRAFFIC OPERATIONS. SEE TITLE SHEET FOR CONTACT INFORMATION.
6. THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS , EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK. PHONE 1-800-522-6543.
7. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCLEMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.
8. THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.
9. THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF TULSA TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTATIVE.
10. CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT ADDITION, AND APPLICABLE ODOT STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK.
11. THE CONTRACTOR SHALL NOTIFY THE CITY OF TULSA FIELD ENGINEERING, 918-596-9404, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK OR PRIOR TO REMOVING TRAFFIC SIGNS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS LISTED IN THE SIGNAGE SCHEDULE FOR THE PROJECT. ALL SIGNS AND POLES PROVIDED SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS OF COT SPECIFICATION 608 TRAFFIC SIGNS. ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS.
13. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARATION AND DISTRIBUTION OF A WRITTEN NOTICE TO RESIDENTS 48 HOURS PRIOR TO BEGINNING PAVEMENT REMOVAL AND MILLING AND OVERLAY OPERATIONS.
14. LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.
15. ALL PUBLIC AND PRIVATE STREETS AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.
16. ALL BROKEN CONCRETE, WASTE MATERIAL, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
17. ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.
18. ALL TREES, BRUSH AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER IS TO BE CLEANED OUT TO THE RIGHT-OF-WAY LINE IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK. TREES OUTSIDE THE FILL SLOPES AND THE TOP OF CUT SLOPES SHALL NOT BE DISTURBED EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.
19. WHERE MATERIALS ARE TRANSPORTED IN THE PROSECUTION OF WORK, VEHICLES SHALL NOT BE LOADED BEYOND THE CAPACITY RECOMMENDED BY THE VEHICLE MANUFACTURER OR AS PRESCRIBED BY ANY FEDERAL, STATE OR LOCAL LAW OR REGULATION.
20. ANY DAMAGE TO THE ROADWAY PAVEMENT, CURB, DRIVEWAYS OR SIDEWALK CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED TO THE ENGINEER'S SATISFACTION AND SHALL BE ACCOMPLISHED AT THE CONTRACTOR'S SOLE EXPENSE. ALL DISTURBED ITEMS SHALL BE REPAIRED TO MATCH EXISTING MATERIALS AND PATTERNING.
21. IF THE CONTRACTOR ENCOUNTERS VOIDS WHEN PATCHING STREETS, THE CONTRACTOR SHALL CALL FIELD ENGINEERING AT 918-596-7814 FOR AN INSPECTION BEFORE PROCEEDING WITH WORK.

GENERAL CONSTRUCTION NOTES (version: 11/14/2018) continued

22. THE PROJECT SHALL BE CONSTRUCTED WITH CONTINUOUS FLOW OF MATERIAL SUPPLIED TO THE PROJECT SUCH THAT THE LAYDOWN MACHINE WILL REMAIN IN MOTION. ANY DELAY IN FORWARD PROGRESSION OF THE LAYDOWN MACHINE MAY REQUIRE A TRANSVERSE JOINT AS DIRECTED BY THE ENGINEER.
23. NO FLY ASH IS ALLOWED TO BE USED ON THIS PROJECT.
24. PHYSICAL TESTING FOR QUALITY ASSURANCE SHALL BE FURNISHED BY THE CITY.
25. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY QUALITY CONTROL TESTING TO ENSURE THAT PROJECT REQUIREMENTS ARE MET.
26. MASONRY STRUCTURES SHALL NOT BE CONSTRUCTED WITHIN THE STREET RIGHT-OF-WAY.
27. ALL CONCRETE CURB AND GUTTERS SHALL BE MONOLITHIC POURS. DOWELED-ON CURBS WILL NOT BE ALLOWED.
28. NO LIFTING HOLES WILL BE ALLOWED ON ANY REINFORCED CONCRETE PIPES OR REINFORCED CONCRETE BOXES.
29. CURB RAMP CONSTRUCTION SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS.
30. REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.
31. ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT SEWER OPERATIONS AND MAINTENANCE, 9319 E. 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY.
32. THE SIGN PLACEMENT STATIONING AND LOCATIONS SHOWN ON THE PLAN SHEETS AND SUMMARY SHEETS ARE APPROXIMATE. EXACT STATIONING AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH CITY OF TULSA STANDARDS, CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES, OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE NOTIFIED.
33. POST LENGTHS SHOWN ON SIGN SUMMARY ARE APPROXIMATE. EXACT LENGTHS SHALL BE DETERMINED BY A FIELD SURVEY CONDUCTED BY THE CONTRACTOR.
34. ALL ASPHALT STREETS THAT ARE TO BE RECONSTRUCTED SHALL BE LEFT WITH A DRIVABLE SURFACE AT ALL TIMES. THE CONTRACTOR WILL NOT BE ALLOWED TO MILL OFF ALL THE ASPHALT BEFORE EXCAVATION BEGINS.
35. THE CONTRACTOR SHALL REPLACE ANY SECTION CORNERS OR OTHER PERMANENT RIGHT OF WAY MARKERS REMOVED OR DISTURBED AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT. REPLACEMENT OF SECTION CORNERS OR ANY OTHER MONUMENTS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR AUTHORIZED TO PERFORM WORK IN THE STATE OF OKLAHOMA.
36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND MAINTENANCE OF THE STORMWATER DRAINAGE. STORMWATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED.
37. STRAW OR HAY BALES AS STORMWATER BEST MANAGEMENT PRACTICES ARE NO LONGER ALLOWED ON CONSTRUCTION PROJECTS.
38. THE CONTRACTOR MUST CALL 1-800-458-4251 IMMEDIATELY IF A NATURAL GAS PIPELINE IS CUT, DAMAGED, OR OTHERWISE DISTURBED.
39. PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DICOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.
40. ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES, AND THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, CURRENT EDITION AS PUBLISHED BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUR PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
41. ALL TRENCH WIDTHS & BEDDING MATERIAL SHALL BE AS SHOWN ON COT STANDARD PIPE BEDDING DETAIL, STANDARD NO. 751. SPECIFIED TRENCH WIDTHS SHALL BE MAINTAINED FULL DEPTH FROM THE FLOWLINE TO THE GRADING TEMPLATE. THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED.
42. THE CONTRACTOR SHALL NOTIFY THE METROPOLITAN TULSA TRANSIT AUTHORITY (MTTA), ERIC SMITH 918-830-0024, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK, LANE CLOSURES OR PRIOR TO DETOURING TRAFFIC.
43. CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS IN THE FLOODPLAIN.

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
1-800-522-OKIE
811
CALL OKIE

GENERAL CONSTRUCTION NOTES

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: HORIZONTAL: 1" = N/A VERTICAL 1" = N/A
DRAWN POE 06/2023
DESIGNED POE 06/2023
SURVEY
PROJ. MGR. DJQ 6-25
LEAD ENGR. JW 6/25
FIELD MGR. JMW-6/25
RECOMMENDED:
DESIGN MANAGER HAS 7/25 JW
APPROVED:
CITY ENGINEER
FILE: H:\21-1009
DRAWING:21-1009-Poy Quantities-Notes
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET 4 OF 268 SHEETS

PAY QUANTITY SUMMARY - WATER LINE

ITEM	SPEC. NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
176	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	4,5,6,7,22,32	SY	692
177	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	14	CY	654
178	COT 303	AGGREGATE BASE TYPE A		CY	178
179	COT 304	CONSTRUCITON STAKING		EA	1
180	COT 307(A)	6" DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	1,2,3,8,9,11,27	LF	150
181	COT 307(A)	10" DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	1,2,3,8,9,11,27	LF	1,010
182	COT 307(A)	12" DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	1,2,3,8,9,11,27	LF	305
183	COT 312(A)	6" 22.5° D.I. BEND (RJ)	2,8,12	EA	2
184	COT 312(A)	10" 45° D.I. BEND (RJ)	2,8,12	EA	6
185	COT 312(A)	12" 22.5° D.I. BEND (RJ)	2,8,12	EA	2
186	COT 312(A)	12" 45° D.I. BEND (RJ)	2,8,12	EA	2
187	COT 312(B)	6"x6" D.I. TEE (RJ)	2,8,12	EA	1
188	COT 312(B)	10"x6" D.I. TEE (RJ)	2,8,12	EA	1
189	COT 312(B)	12"x6" D.I. TEE (RJ)	2,8,12	EA	1
190	COT 312(C)	6" D.I. PLUG (RJ)	2,8,12	EA	1
191	COT 312(C)	10" D.I. PLUG (RJ)	2,8,12	EA	2
192	COT 312(C)	12" D.I. PLUG (RJ)	2,8,12	EA	1
193	COT 312(D)	12"X10" D.I. REDUCER (RJ)	2,8,12	EA	1
194	COT 312(E)	6" D.I. SLEEVE (RJ)	2,8,12	EA	1
195	COT 312(E)	10" D.I. SLEEVE (RJ)	2,8,12	EA	1
196	COT 312(E)	12" D.I. SLEEVE (RJ)	2,8	EA	1
197	COT 317	6" GATE VALVE (RJ)	8	EA	3
198	COT 317	10" GATE VALVE (RJ)	8	EA	2
199	COT 317	12" GATE VALVE (RJ)	8	EA	1
200	COT 317(A)	2" AIR RELIEF VALVE & VAULT		EA	1
201	COT 317(B)	3-WAY FIRE HYDRANT, IN PLACE		EA	1
202	COT 317(D)	12" FIRE HYDRANT EXTENSION		EA	1
203	COT 318(A)	VALVE BOX	21	EA	6
204	COT 318(B)	VALVE BOX EXTENSION	21	VF	4
205	COT 325	SODDING AND SEEDING	23	SY	393
206	COT 326	STREET WASH DOWN		LF	6,800
207	COT 329	REMOVE AND REPLACE PAVEMENT (8" APC)	30	SY	19
208	COT 333(A)	ABANDON 6" WATERLINE		LF	165
209	COT 333(B)	ABANDON 10" WATERLINE		LF	985
210	COT 333(C)	ABANDON 12" WATERLINE		LF	252
211	COT 334	CONSTRUCTION AS-BUILT	24,25,27	EA	1
212	612(G)	FIRE HYDRANT RELOCATION		EA	2
213	SPECIAL	OWNER ALLOWANCE	18	ALLOW	10,000

PAY ITEM NOTES - WATERLINES
version date: 06/05/24

1. TESTING AND CHLORINATION OF WATER MAINS SHALL BE PERFORMED BY THE CITY OF TULSA. TESTING, CHLORINATION, AND FLUSHING SHALL BE DONE IN ACCORDANCE WITH SECTION 109.3 OF THE GENERAL SPECIFICATIONS.

   A. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY PLUGS WITH ADEQUATE BLOCKING OR RESTRAINTS, PLUS CORPORATION STOPS, AS DIRECTED BY CITY TESTING PERSONNEL. THEN, ONCE TESTING, CHLORINATION AND FLUSHING BY CITY PERSONNEL IS COMPLETED, REMOVE TEMPORARY BLOCKING AND TIE INTO EXISTING SYSTEM USING FITTINGS SWABBED INTERNALLY WITH 2% BLEACH SOLUTION.

   B. TESTING, CHLORINATION, AND FLUSHING OF NEW WATER MAIN SHALL BE PERFORMED BY CITY PERSONNEL ON MAINS WHICH ARE PHYSICALLY DISCONNECTED FROM THE EXISTING WATER SYSTEM. TESTING, CHLORINATION, AND FLUSHING OF NEW WATER MAINS SHALL NOT BE PERFORMED AGAINST VALVES WHICH ARE PHYSICALLY CONNECTED TO THE EXISTING SYSTEM.

   C. ALL COSTS FOR TEMPORARY PLUGS, BLOCKING, RESTRAINING, CORPORATION STOPS, TUBING, THREADED CONNECTIONS, BLEACH, AND OTHER INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.

2. BURIED BOLTS, HARNESS LUGS, AND COUPLINGS SHALL BE GIVEN TWO COATS OF KOPPER'S BITUMASTIC 300-M (DRY MIL THICKNESS OF 16 MILS) OR EQUAL. COST TO BE INCLUDED IN UNIT PRICE BID FOR PIPE AND FITTINGS.

3. CONTRACTOR TO EXCAVATE ALL UTILITY CROSSINGS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ON THE PROPOSED WATER MAIN TO AVOID UTILITY CONFLICTS. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. THE COST FOR EXCAVATING UTILITY CROSSINGS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.

4. CONTRACTOR SHALL INSURE ALL POLES WHICH ARE AFFECTED BY TRENCHING CONDITIONS ARE BRACED BY OWNERS. PAYMENT SHALL BE INCLUDED IN "RIGHT-OF-WAY CLEARING AND RESTORING". NO ADDITIONAL PAYMENT SHALL BE MADE.

5. ALL HYDRANTS, VALVES AND OTHER FITTINGS FROM ABANDONED WATER MAINS SHALL BE SALVAGED AND DELIVERED TO THE SOUTH YARD AT 2317 S JACKSON AVE. PAYMENT TO BE MADE UNDER RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.

6. CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS, ROOF DRAINS, AND FENCING DAMAGED IN THE ZONE OF CONSTRUCTION DURING THE COURSE OF CONSTRUCTION TO SATISFACTION OF THE PROPERTY OWNER. PAYMENT SHALL BE INCLUDED IN RIGHT-OF-WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.

7. COST OF ANY TEMPORARY LIVESTOCK FENCING AND POLES SHALL BE INCLUDED IN COST OF RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.

PAY ITEM NOTES - WATERLINES
(CONTINUED)

8. ALL COSTS FOR COMPONENTS NECESSARY TO RESTRAIN JOINTS FOR PIPE AND FITTINGS DESIGNATED RESTRAINED JOINT ("RJ") SHALL BE INCLUDED IN UNIT PRICE BID FOR PIPE OR FITTINGS.

   A. DUCTILE IRON PIPE RESTRAINED JOINT SYSTEMS: US PIPE TRFLEX, GRIFFIN SNAPLOK, MCWANE THRUSTLOCK, AMERICAN FLEXRING, EBAA MEGALUG, STAR STARGRIP, SMITH-BLAIR CAMLOCK, CLOW TUFGRIP OR EQUAL SHALL BE USED ON THIS PROJECT. SHOULD RJ PIPE BE SPECIFIED THROUGH UNCASED BORES, ONLY USPIPE TRFLEX, GRIFFIN SNAPLOK, MCWANE THRUSTLOCK, OR AMERICAN FLEXRING IS TO BE USED. LOCKING GASKETS NOT PERMITTED.

   B. POLYVINYL CHLORIDE (PVC) RESTRAINED JOINT SYSTEMS: EBAA MEGALUG, STAR STARGRIP OR EQUAL SHALL BE USED ON THIS PROJECT. LOCKING GASKETS NOT PERMITTED; SHOULD RJ PIPE BE SPECIFIED ON BORE, CASING IS REQUIRED.

   C. HIGH DENSITY POLYETHYLENE (HDPE) RESTRAINED JOINT SYSTEMS: EBAA MEGALUG, STAR STARGRIP OR EQUAL SHALL BE USED ON THIS PROJECT.

   NO ADDITIONAL PAYMENT SHALL BE MADE.

9. ALL CUT ENDS AND WHERE SALVAGED FITTINGS HAVE BEEN REMOVED FROM ABANDONED WATER LINES LEFT IN PLACE, SHALL BE PLUGGED WITH 24-IN OF CONCRETE INSIDE THE PIPE. COST OF CONCRETE PLUGGING TO BE INCLUDED IN THE UNIT PRICE BID FOR PIPE. NO ADDITIONAL PAYMENT SHALL BE MADE.

10. NOT USED.

11. DETECTABLE MYLAR MARKING TAPE SHALL BE INSTALLED OVER DUCTILE IRON PIPE AS PER CONST SPEC 307.3 AND 307.4. COST WILL BE INCLUDED IN THE COST OF DUCTILE IRON PIPE.

12. ALL LABOR, MATERIALS, AND EQUIPMENT TO CONNECT PROPOSED WATER MAINS TO EXISTING WATER MAINS ARE INCLUDED IN THE COST OF PIPE. CONTRACTOR TO EXCAVATE ALL EXISTING WATER MAINS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ACCORDINGLY. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. THE COST FOR EXCAVATING EXISTING WATER MAINS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SLEEVES. NO ADDITIONAL PAYMENT SHALL BE MADE.

13. AT THE DIRECTION OF THE ENGINEER, CONTRACTOR SHALL FURNISH A "LICENSED AND BONDED PLUMBER", WHICH SHALL INCLUDE ALL COSTS OF LABOR, TOOLS, PERMIT FEES, AND EQUIPMENT TO REROUTE THE EXISTING CUSTOMER SERVICE ON CUSTOMER PROPERTY TO THE PROPOSED CUSTOMER METER CAN. COST SHALL NOT EXCEED AN ALLOWANCE OF $1000 PER OCCURRENCE. MATERIALS COSTS SHALL BE INCLUDED UNDER THE UNIT PRICE FOR WATER SERVICE CONNECTION AND/OR WATER SERVICE LINE EXTENSION. NO ADDITIONAL PAYMENT SHALL BE MADE.

14. CONTRACTOR IS REMINDED TO BACKFILL ALL TRENCHES EXCAVATED ACROSS ANY EXISTING OR PROPOSED DRIVING OR PARKING SURFACE WITH ½-IN TYPE A AGGREGATE BASE, PLACED IN 8-INCH MAXIMUM LIFTS AND COMPACTED TO 98% MODIFIED PROCTOR DENSITY. COST TO BE INCLUDED IN THE UNIT PRICE FOR EXCAVATION AND BACKFILL. NO ADDITIONAL PAYMENT SHALL BE MADE.

15. WATER SERVICE CONNECTIONS SHALL INCLUDE COST OF MATERIAL, LABOR, AND EQUIPMENT TO REMOVE AND INSTALL SADDLES, SERVICE CLAMPS, CORPORATION STOPS, BENDS, 3-PART UNIONS, COUPLINGS, SETTERS AND ANY OTHER INCIDENTALS REQUIRED FOR A COMPLETE WATER SERVICE CONNECTION, WITH THE EXCEPTION OF METER CANS, RIMS AND LIDS. NO ADDITIONAL PAYMENT SHALL BE MADE. METER CANS, LIDS AND RIMS SHALL BE PAID AS A SEPARATE BID ITEM.

   A. A SHORT SERVICE SHALL BE ANY SERVICE LINE THAT IS 25-FEET OR LESS IN LENGTH. SHORT SERVICES DO NOT INCLUDE PAVEMENT REPLACEMENT.

   B. LONG SERVICE SHALL BE ANY SERVICE LINE THAT IS GREATER THAN 25-FEET UP TO 80-FEET IN LENGTH. LONG SERVICES INCLUDE PAVEMENT REPLACEMENT AND/ OR COST TO BORE.

   C. SERVICE LINES EXCEEDING THE ABOVE PARAMETERS WILL BE COMPENSATED FOR LINEAR FOOTAGE ABOVE AND BEYOND. COMPENSATION SHALL BE PAID AS "SERVICE LINES, EXTENSION", PER LF

16. SERVICE LINES ON NON-ARTERIALS SHALL BE EITHER COPPER TUBING (TYPE K SOFT ANNEALED CONFORMING TO ASTM B 88) OR PEX TUBING (VIEGA PUREFLOW PEX BLUE 5306 OR UPONOR AQUA PEX 5206 BLUE CONFORMING TO ASTM F876/F877/F2023). PEX TUBING IS NOT PERMITTED WITHIN ARTERIAL RIGHT OF WAY. WHEN CONTRACTOR ELECTS TO USE PEX TUBING:

   A. ¾-INCH WATER SERVICE CONNECTION SHALL USE 1-INCH PEX TUBING MINIMUM

   B. 1-INCH WATER SERVICE CONNECTION SHALL USE 1¼-INCH PEX TUBING MINIMUM

17. NOT USED.

18. THE "OWNER ALLOWANCE" CAN BE USED FOR VARIOUS WORK AND MISCELLANEOUS ITEMS NOT IDENTIFIED IN THE CONTRACT DOCUMENTS WITH THE FOLLOWING PROVISIONS:

   A. THE ALLOWANCE SHALL BE USED FOR THE COST OF MATERIALS, LABOR, INSTALLATION, OVERHEAD, AND PROFIT FOR ADDITIONAL WORK AND MISCELLANEOUS ITEMS THAT ARE NOT IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND PLANS, AND NOT INCLUDED IN THE BID ITEMS OF THE CONTRACT. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO:

      I. WATER SERVICE LINES OF UNKNOWN OR UNEXPECTED SIZE.

   B. THE ALLOWANCE SHALL BE USED ONLY AT THE DISCRETION OF THE CITY. ANY ALLOWANCE BALANCE REMAINING AT THE COMPLETION OF THE PROJECT WILL BE CREDITED BACK TO THE CITY ON THE FINAL APPLICATION FOR PAYMENT SUBMITTED BY THE CONTRACTOR.

   C. THE CONTRACTOR SHALL PROVIDE, TO THE CITY, A WRITTEN REQUEST FOR THE USE OF ANY ALLOWANCE, WITH A SCHEDULE OF VALUES, AND ALL ASSOCIATED BACKUP INFORMATION, INCLUDING ANY TIME EXTENSIONS REQUIRED TO PERFORM THE WORK.

   D. THE CONTRACTOR SHALL PROCEED WITH THE WORK INCLUDED IN THE ALLOWANCE ONLY AFTER RECEIVING A WRITTEN ORDER FROM THE ENGINEER AND CITY AUTHORIZING SUCH WORK. PROCEEDING WITH WORK IN THE ALLOWANCE WITHOUT A WRITTEN ORDER FROM THE CITY WILL BE AT THE CONTRACTOR'S EXPENSE.

REGISTERED PROFESSIONAL ENGINEER
GREGORY JAMES COKER
16840
OKLAHOMA
6-19-25

BEFORE YOU DIG OKIE 811 1-800-522-OKIE CALL OKIE

PAY ITEM NOTES - WATERLINES
(CONTINUED)

19. NOT USED.

20. NOT USED.

21. TOP OF VALVE BOX SHALL BE FLUSH WITH FINISHED GRADE.

22. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION. LIMITS OF DISTURBANCE SHALL NOT EXCEED 9-FEET CENTERED ON THE WATERLINE. ANY DISTURBANCE OUTSIDE OF THIS AREA SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. STREETS, DRIVEWAYS AND ASSOCIATED ITEMS SHALL BE PAID FOR UNDER OTHER ITEMS OF WORK.

23. THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION. THE CONTRACTOR SHALL REPLACE THE SOD TO MATCH IN-KIND AND QUALITY. LIMITS OF DISTURBANCE SHALL NOT EXCEED 9-FEET CENTERED ON THE WATERLINE. ANY DISTURBANCE OUTSIDE OF THIS AREA SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. THIS PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION. NETTING SHALL BE REMOVED FROM SOD PRIOR TO PLACEMENT.

24. SPOT ELEVATIONS ON THE MAIN WATER LINE RELATIVE TO FINISHED GRADE SHALL BE PROVIDED AT EACH 100-FT INTERVAL, COMPLETE WITH STATION AND OFFSET. IN ADDITION, ALL VALVES, FITTINGS, FIRE HYDRANTS (TOP OF NUT) AND OTHER MAJOR APPURTENANT ITEMS SHALL BE SHOWN WITH THE PROPER DESCRIPTION, STATION, OFFSET (NORTHING, EASTING) AND ELEVATION PER PLAN SURVEY CONTROL DATUM.

25. SPOT ELEVATIONS ON WATER METER CANS, VAULTS, SHALL BE SHOWN WITH THE PROPER DESCRIPTION (METER TYPE, METER SIZE, METER NUMBER, SERVICE MATERIAL, SERVICE SIZE), STATION, OFFSET (NORTHING, EASTING) AND ELEVATION PER PLAN SURVEY CONTROL DATUM. UPON DISCOVERY OF A LEAD OR GALVANIZED SERVICE LINE, NOTIFICATION SHALL BE MADE TO WATER DISTRIBUTION AND WORK SHALL CEASE UNTIL RELEASED AT WHICH TIME ANY AND ALL SERVICE LINES LOCATED THAT ARE LEAD OR GALVANIZED ARE TO BE REPLACED WITH APPROVED MATERIALS.

26. NOT USED.

27. PRESSURE TESTING AND CHLORINATION OF WATER MAINS SHALL NOT BE PERFORMED UNTIL THE CITY INSPECTOR HAS RECEIVED THE REQUIRED CONSTRUCTION AS-BUILT RECORDS.

28. NOT USED.

29. NOT USED.

30. AGG BASE AND SUBGRADE, PER CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS 701 - 702, SHALL BE PAID UNDER EXCAVATION AND BACKFILL.

31. AGG BASE AND SUBGRADE, PER CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS 703 - 704, SHALL BE PAID UNDER EXCAVATION AND BACKFILL.

32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL AND MAINTENANCE OF THE STORM WATER DRAINAGE FROM THE CONSTRUCTION SITE. STORM WATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRCUTION WILL NOT BE ALLOWED. ALL COST ASSOCIATED WITH STORM WATER MANAGEMENT, AS WELL AS REMOVAL OF ALL SILT AND DEBRIS FROM ALL DRAINAGE STRUCTURES, STORM SEWER PIPES AND APPURTENANCES WITHIN THE PROJECT LIJMITS AT END OF PROJECT, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

33. EROSION PROTECTION SHALL BE PLACED AS FOLLOWS:

   A. AROUND INLETS TO PREVENT INFOW OF ERODED MATERIAL INTO STORM SEWER SYSTEM.

   B. IN LOCATIONS THROUGHOUT PROJECT SITE, AS DETERMINED BY THE ENGINEER, TO PREVENT WASH OF ERODED MATERIAL ONTO ADJACENT PROPERTY.

   C. FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS, AS DIRECTED BY THE ENGINEER;

   D. WITH PERIODIC REMOVAL OF SEDIMENT IN ACORDANCE WITH STORMWATER MANAGEMENT PLAN.

ALL COSTS FOR ITEMS A-E ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.

WATERLINE CONSTRUCTION NOTES

1. THE CITY OF TULSA FIELD ENGINEERING DEPARTMENT SHALL INSPECT ALL TRENCHING, BEDDING, PIPE INSTALLATION, BACKFILL AND COMPACTION.

2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT STANDARD SPECIFICATIONS AND STANDARD DETAILS, CITY OF TULSA ENGINEERING SERVICES DEPARTMENT.

3. EXISTING SERVICE CONNECTIONS ARE TO BE KEPT IN SERVICE UNTIL CONNECTIONS TO NEW MAIN ARE MADE. ALL SERVICE LINE RECONNECTIONS SHALL BE MADE BY THE CONTRACTOR. SERVICE RECONNECTIONS SHALL BE INSTALLED AS PER CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS.

4. MINIMUM COVER OVER WATERLINES SHALL BE AS NOTED ON PLANS.

5. CONTRACTOR SHALL REPLACE EXISTING GRASS WITH SEED/SOD OF SAME TYPE AND VARIETY OR AS NOTED ON PLANS.

6. CONTRACTOR SHALL BORE EXISTING TREES UNDER DRIP LINE, UNLESS DIRECTED OTHERWISE BY ENGINEER.

7. CONTRACTOR SHALL BORE EXISTING DRIVEWAYS, UNLESS DIRECTED OTHERWISE BY ENGINEER.

8. WATER OPERATIONS SHALL OPERATE ALL VALVES ON TRANSMISSION MAINS (16" AND LARGER). CONTRACTOR SHALL OPERATE ALL VALVES ON DISTRIBUTION MAINS (SMALLER THAN 16") WITH THE COORDINATION OF FIELD ENGINEERING AND WATER OPERATIONS AND IN THE PRESENCE OF A FIELD ENGINEERING INSPECTOR.

   A. ATTEMPTS WILL BE MADE WITH ASSISTANCE FROM THE CONTRACTOR TO NOTIFY ALL AFFECTED CUSTOMERS 48 HOURS IN ADVANCE, PARTICULARLY IF COMMERCIAL OR INDUSTRIAL CUSTOMERS ARE INVOLVED. PRIOR TO SHUTDOWN, FIELD ENGINEERING WILL NOTIFY WATER OPERATIONS, AT 918-596-9488, GIVING AN ESTIMATED DOWNTIME. WATER OPERATIONS WILL NOTIFY THE FIRE DEPARTMENT OF ALL FIRE HYDRANTS OUT OF SERVICE AND WHEN THEY ARE BACK IN SERVICE, BY STREET ADDRESS OR INTERSECTION.

   B. WHERE COMMERCIAL, INDUSTRIAL, OR CRITICAL CUSTOMERS ARE AFFECTED, AND FOR ALL LINES 16" AND LARGER IN SIZE, FIELD ENGINEERING WILL REQUEST WATER OPERATIONS TO SHUT DOWN THE MAIN. THERE WILL BE A MINIMUM OF 48 HOUR NOTICE TO WATER OPERATIONS.

9. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO ALL RESIDENTS OR BUSINESSES AFFECTED BEFORE TURNING OFF ANY WATER. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING DOOR HANGERS ON AFFECTED HOMES AND BUSINESSES.

10. CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF THE OKLAHOMA ONE-CALL SYSTEM, INC, NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS, LEGAL HOLIDAYS PRIOR TO COMMENCEMENT OF WORK, PHONE 1-800-522-6543.

11. LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH PROJECT AT ALL TIMES. OPEN CUT STREET CROSSINGS REQUIRE AN APPROVED TRAFFIC CONTROL PLAN WITH TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH CURRENT MUTCD REQUIREMENTS.

12. ANY DAMAGE CAUSED BY CONTRACTOR TO ADJACENT TRAFFIC SIGNAL INFRASTRUCTURE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE TRAFFIC ENGINEER.

13. PRIOR TO PAVEMENT SAWING AND EXCAVATION NEAR SIGNALIZED INTERSECTION, CONTRACTOR SHALL CONTACT ENGINEERING SERVICES, TRAFFIC OPERATIONS, 918-596-9766, FOR SITE SPECIFIC, UNDERGROUND TRAFFIC UTILITY LOCATES.

14. CONSTRUCTION FOR ALL ENGINEERING SERVICES FACILITIES SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF TITLE 252, DEPARTMENT OF ENVIRONMENTAL QUALITY, CHAPTER 626, PUBLIC WATER SUPPLY CONSTRUCTION STANDARDS, OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ).

15. ALL EXCAVATED MATERIAL NOT REQUIRED IN OTHER AREAS OF THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY EXCESS MATERIAL IS TO BE DISPOSED OF WITHIN THE CITY LIMITS OF TULSA.

16. ANY CHANGES FROM APPROVED PLANS SHALL BE SUBMITTED TO THE CITY OF TULSA FOR WRITTEN APPROVAL PRIOR TO INSTALLATION.

TMUA-W 22-37

PAY QUANITITY & NOTES (WATERLINE)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023
1" = NAA	DESIGNED	POE	06/2023
	SURVEY	MW	3/2022
PROFILE SCALE:	PROJ. MGR.		6/25
HORIZONTAL:	LEAD ENGR.		6/25
1" = NAA	FIELD MGR.		7/25
VERTICAL:	RECOMMENDED:		7/25
1" = NAA	DESIGN MANAGER		CITY ENGINEER

APPROVED:

FILE: H:\21-1009 DRAWING: 21-1009-WL Pay Quantities-Notes DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75 SHEET 5 OF 288 SHEETS

TRAFFIC OPERATIONS GENERAL CONSTRUCTION NOTES

(A) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE TRAFFIC SIGNAL IN A PROPER WORKING CONDITION DURING CONSTRUCTION AS DIRECTED BY THE TRAFFIC ENGINEER AND FOR FOLLOWING THE REQUIREMENTS OF THE COT SPEC 626 - TRAFFIC SIGNAL CONSTRUCTION AND OPERATION. ALL TRAFFIC MATERIALS SHALL MEET THE REQUIREMENTS OF COT SPEC 627 - PRE-QUALIFICATION FOR TRAFFIC OPERATIONS MATERIALS OR AS DIRECTED BY THE TRAFFIC ENGINEER. CONTRACTORS SHALL MEET THE REQUIREMENTS OF COT SPEC 628 - SIGNAL AND LIGHTING PROJECT CONTRACTOR EXPERIENCE REQUIRED.

(B) THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMISSION FOR ELECTRICAL INSPECTION ON ALL SIGNAL AND LIGHTING WORK PER COT SPEC 626 - TRAFFIC SIGNAL CONSTRUCTION AND OPERATION.

(C) ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPEC 625 - REMOVAL OF TRAFFIC ITEMS.

(D) THIS PROJECT HAS BEEN DESIGNED AND IS TO BE CONSTRUCTED ACCORDING TO THE REQUIREMENTS OF THE 2022 VERSION OF THE CITY OF TULSA TRAFFIC OPERATIONS STANDARDS AND SPECIFICATIONS.

TRAFFIC OPERATIONS PAY ITEM NOTES

(T-1) THE CONTRACTOR SHALL DELIVER THE CONTROL UNIT, INTERCONNECT BOARD. ALL CABLES, PUSHBUTTONS, AND ANY PROGRAMMING EQUIPMENT OR SOFTWARE TO TRAFFIC OPERATIONS. AFTER PROGRAMMING, TRAFFIC OPERATIONS SHALL RETURN THE PUSHBUTTONS TO THE CONTRACTOR FOR INSTALLATION AND TRAFFIC OPERATIONS STAFF WILL INSTALL THE CABINET EQUIPMENT. THE CONTRACTOR SHALL COORDINATE WITH TRAFFIC OPERATIONS IN ADVANCE REGARDING THE DATE THE OLD PUSHBUTTON SYSTEM IS PLANNED TO BE REMOVED AND THE NEW SYSTEM INSTALLED.

(T-2) POLE FOUNDATIONS SHALL BE CONSTRUCTED ACCORDING TO THE REQUIREMENTS OF ODOT STANDARD SPECIFICATIONS, SECTION 516-DRILLED SHAFT FOUNDATIONS.

(T-3) THIS PAY ITEM INCLUDES THE REMOVAL AND DELIVERY OF THE FOLLOWING EQUIPMENT, WHICH IS TO REMAIN THE PROPERTY OF THE CITY OF TULSA, TO THE CITY OF TULSA TRAFFIC SHOP AT 3801 N. HARVARD AVENUE: MULTI-SIDED GALVANIZED TRAFFIC SIGNAL POLES, SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS, BACK PLATES, CONTROLLER CABINET ASSEMBLIES, CABINET GUARDS, UNDAMAGED PULL BOX LIDS, MAST ARM SIGNS, ASTRO-BRACKETS, SPAN WIRE EQUIPMENT, AND ANY OTHER TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT FOR THE PULL BOXES, CONDUIT, AND WIRE WHICH SHALL BECOME THE PROPERTY OF OF THE CONTRACTOR. THE BID PRICE SHALL INCLUDE THE REMOVAL OF ALL TRAFFIC EQUIPMENT NOTED IN THE PLANS OR IN CONFLICT WITH PROPOSED EQUIPMENT.

(T-4) ALL SIGNAL POLE AND SIGN FOOTINGS SHALL BE REMOVED BELOW THE GROUND LEVEL OR AS DIRECTED BY THE ENGINEER. FOOTINGS, GREEN MAST ARM POLES, AND ALL OTHER SIGNAL POLES OTHER THAN THE MULTI-SIDED POLES, ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

(T-5) QUANTITY SHOWN IS THE ESTIMATED NUMBER OF LOCATIONS FROM WHICH REMOVAL OF TRAFFIC EQUIPMENT IS ANTICIPATED. QUANTITIES AND DESCRIPTIONS SHOWN IN PLANS FOR SIGN REMOVALS ARE AN ESTIMATE. CONTRACTOR SHALL REMOVE ALL SIGNS AND STRIPING IN CONFLICT WITH NEW ITEMS SHOWN IN PLANS. SEPARATE PAYMENT SHALL NOT BE MADE PER ITEM LISTED, BUT INSTEAD PAYMENT FOR THIS ITEM SHALL INCLUDE REMOVAL OF ALL TRAFFIC RELATED EQUIPMENT PER PLAN LOCATION, BOTH FOR ITEMS LISTED IN PLANS AND FOR ANY OTHER TRAFFIC RELATED ITEMS FOUND THAT ARE NOT SPECIFICALLY SHOWN IN PLANS, PER COT 625.

(T-6) THIS PAY ITEM INCLUDES THE INSTALLATION OF TRAFFIC SIGNAL HEADS. INCLUDED IN THIS ITEM IS ALL EQUIPMENT, SETUP/INSTALLATION EQUIPMENT, MOUNTS, BRACKETS, HARDWARE, AND ANY OTHER APPURTENANCES.

(T-7) TRAFFIC SIGNAL HEAD FACES ARE TO BE COVERED FROM THE TIME THEY ARE INSTALLED UNTIL PLACED IN FLASHING OR FULL OPERATION. COVERING THE LENSES ONLY IS NOT PERMISSIBLE.

(T-8) THE CONTRACTOR SHALL DELIVER THE SIGNAL CABINET FULLY WIRED AND READY FOR INSTALLATION TO THE COT TRAFFIC OPERATIONS DIVISION FOR INSPECTION AND APPROVAL PRIOR TO INSTALLATION. COT WILL NOTIFY THE CONTRACTOR OF ANY DEFICIENCIES OR APPROVE THE CABINET WITHIN TWO WEEKS PER COT SPECIFICATION 610 FOR TRAFFIC SIGNAL CONTROLLER CABINET ASSEMBLIES.

(T-9) THE TRAFFIC SIGNAL CONTROLLER PROVIDED SHALL BE AN ECONOLITE ATC COBALT CONTROLLER IN A 332S SIGNAL CABINET OR APPROVED EQUAL.

THE CONFLICT MONITOR SHALL BE AN EDI 2018 ECLIP OR APPROVED EQUAL. AN ETHERNET PORT SHALL BE PROVIDED ON THE FRONT PANEL. THE ETHERNET PORT SHALL BE ELECTRICALLY ISOLATED FROM THE MMU ELECTRONICS AND SHALL PROVIDE A MINIMUM OF 1500 VRMS ISOLATION.

THE CONNECTOR SHALL BE AN RJ-45 EIGHT PIN CONNECTOR. AN HTML BASED CAPABILITY SHALL BE PROVIDED IN THE MONITOR TO CONFIGURE THE NETWORK PARAMETERS OF THE MMU ETHERNET PORT USING A STANDARD ETHERNET BROWSER. ALL DISPLAY INDICATORS SHALL BE MOUNTED ON THE FRONT PANEL OF THE SIGNAL MONITOR AND SHALL BE WATER CLEAR, T-1 PACKAGE, SUPER BRIGHT TYPE LEDS. ALL FAULT LEDS SHALL BE RED EXCEPT THE POWER INDICATOR WHICH SHALL BE GREEN. A SEPARATE RED, YELLOW AND GREEN INDICATOR SHALL BE PROVIDED FOR EACH CHANNEL.

THE CABINET SHALL INCLUDE TWO 19" RACK SHELVES, CHATSWORTH PRODUCTS PART NUMBER 10758-701, OR APPROVED EQUAL, IN ADDITION TO WHAT IS OUTLINED IN COT SPECIFICATION 610. BACKS SHALL BE DESIGNED TO HOLD PERIPHERAL EQUIPMENT IN A CENTRAL LOCATION. EACH SHELF TYPICALLY HOLDS TWO UNITS AND ALLOWS A CONVENIENT TABLE RUN DOWN THE INSIDE OF THE RACK CHANNEL. THE RACK SHALL HOLD EQUIPMENT UP TO 17.35" WIDE BY 9.82" DEEP AND MADE OF STRONG, LIGHTWEIGHT ALUMINUM THAT CAN SUPPORT UP TO 50 LBS.

(T-10) THE CABINET PROVIDED SHALL BE A STRETCH CABINET MEETING THE CABINET AND DOOR HEIGHT SPECIFICATIONS OF A MCCAIN 332S CABINET. ALL OTHER DIMENSIONS SHALL MEET CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS.

SUMMARY OF PAY QUANTITIES

TRAFFIC SIGNALS

ITEM	SPEC	DESCRIPTION	NOTES	UNIT	QUANTITY
1	COT 601	PULL BOX (SIZE II)		EA.	6
2	COT 601	PULL BOX (SIZE III)		EA.	1
3	COT 602	1" PVC SCH. 40 PLASTIC CONDUIT TRENCHED		L.F.	50
4	COT 602	2" PVC SCH. 40 PLASTIC CONDUIT TRENCHED		L.F.	150
5	COT 602	2" PVC SCH. 40 PLASTIC CONDUIT BORED		L.F.	150
6	COT 602	3" PVC SCH. 40 PLASTIC CONDUIT TRENCHED		L.F.	275
7	COT 602	3" PVC SCH. 40 PLASTIC CONDUIT BORED		L.F.	460
8	COT 603	PEDESTRIAN SIGNAL FOOTING	(T-2)	EA.	10
9	COT 610	TRAFFIC CONTROLLER CABINET ASSEMBLY	(T-8,9,10)	EA.	1
10	COT 611	GREEN #6 THHN ELECTRICAL CONDUCTOR		L.F.	45
11	COT 611	GREEN #12 THHN ELECTRICAL CONDUCTOR		L.F.	45
12	COT 611	2 #14 SHIELDED ELECTRICAL CONDUCTOR		L.F.	1,620
13	COT 611	4 #14 TRAFFIC SIGNAL ELECTRICAL CABLE		L.F.	240
14	COT 611	7 #14 TRAFFIC SIGNAL ELECTRICAL CABLE		L.F.	825
15	COT 612	CABINET BASE, APRON AND GUARD		EA.	1
16	COT 613	AUDIBLE PEDESTRIAN PUSH BUTTON STATION AND SIGNS	(T-1)	EA.	16
17	COT 613	AUDIBLE PEDESTRIAN PUSH BUTTON CONFIG/PROGRAMMING DEVICE	(T-1)	EA.	3
18	COT 613	AUDIBLE PEDESTRIAN PUSH BUTTON CONTROL CARD/UNIT	(T-1)	EA.	3
19	COT 614	LED ICC PEDESTRIAN HEAD (#33)	(T-6,7)	EA.	16
20	COT 617	6' PEDESTRIAN PUSH BUTTON POLE		EA.	7
21	COT 617	10' PEDESTAL POLE		EA.	3
22	COT 625	REMOVAL OF TRAFFIC ITEMS	(T-3,4,5)	EA.	1
23	COT 625	TRAFFIC SIGNAL MAINTENANCE		LS	1
24	COT 625	SIGNAL MODIFICATIONS FOR LANE CLOSURES		EA.	1

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
Ryan E. Henderson
27234
12/31/2026
OKLAHOMA

BEFORE YOU DIG 811 CALL OKIE

NOTE:

TRAFFIC SIGNING AND STRIPING SHEETS ARE FOR BIDDING PURPOSES ONLY. FINAL SIGN AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.

NO.	DATE	REVISION DESCRIPTION

TRAFFIC PAY QUANTITIES AND NOTES

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z, 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

1111 N LEE AVE
SUITE 236
OKLAHOMA CITY, OK 73103
PHONE: (405) 384-5127
OK C.A. #5880 EXP. 06/30/2025
LEE ENGINEERING

PLAN SCALE 1" = 10'	DRAWN	LEE	6/2025
	DESIGNED	LEE	6/2025
	SURVEY		
PROFILE SCALES:	PROJECT MGR.		
	LEAD ENGR.		
	FIELD MGR.		
HORIZONTAL: N/A	RECOMMENDED: HAJ 7.25		
VERTICAL: N/A	DESIGN MANAGER		
	CITY ENGINEER		
FILE:	DATE: 7/3/2025		
ATLAS PAGE NO:	SHEET: 6 OF 268		

LIGHTING LEGEND

- o — LIGHT POLE FOUNDATION, # INDICATES FOUNDATION NUMBER
- PB — INSTALL NEW SIZE I ELECTRICAL POLYMER CONCRETE PULL BOX
- INSTALL NEW ELECTRICAL RACK OR PEDESTAL WITH UTILITY METER, MAIN DISCONNECT, POWER PANELS, AND PEC. COORDINATE EXACT VOLTAGES AND SIZES WITH UTILITY, PRIOR TO INSTALLATION
- (#) — # INDICATES KEYED NOTE NUMBER
- INSTALL NEW ELECTRICAL CONDUIT WITH PULLTAPE, TREANCHED (1-WAY 2"C)

FEEDER AND BRANCH CIRCUIT LEGEND:

2 SETS [(3#8 + 1#8N + 1#10EG) 1" GRS]

- 2 SETS — NUMBER OF SETS
- (3#8) — PHASE (HOT) CONDUCTOR, NUMBER AND SIZE
- 1#8N — GROUNDED (NEUTRAL) CONDUCTOR, NUMBER AND SIZE
- 1#10EG — GROUNDING (GROUND) CONDUCTOR, NUMBER AND SIZE
- 1" — CONDUIT SIZE
- GRS — CONDUIT TYPE (SEE ABBREVIATIONS) REFER TO SPECIFICATIONS IF NOT SHOWN

PAY QUANTITIES

0330 TRAFFIC LIGHTING

ITEM NO.	CODE NO.	DESCRIPTION		UNIT	QUANTITY
802(B)	0324	2" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	(L4)(L6)	LF	22,250
802(B)	0325	2" PVC SCH. 80 PLASTIC CONDUIT TRENCHED	(L4)(L6)	LF	6,500
803(A)	1210	PULL BOX (SIZE I)		EA	132
804(A)	2200	STRUCTURAL CONCRETE	(TL-9)(L2)(L5)(L7)	CY	211.56
804(B)	2300	REINFORCING STEEL	(TL-10)(L2)(L5)(L7)	LB	36,636
810(A)	8200	SERVICE POLE	(L1)(L3)	EA	2

PAY ITEM NOTES:

(L1) PVC COATED GRSC SHALL BE SUBSIDIARY TO SERVICE POLE PAY ITEM. SEE PEDESTAL INSTALLATION MOUNTING DETAILS FOR LOCATIONS TO BE INSTALLED.

(L2) THE GROUNDING SYSTEM FOR THE ROADWAY LUMINAIRES SHALL BE SUBSIDIARY TO STRUCTURAL CONCRETE AND REINFORCING STEEL AND SHALL INCLUDE: 3/4" X 10' GROUND RODS, BARE COPPER GROUND WIRE, EXOTHERMIC WELDS, AND GROUND LUGS FOR THE ROADWAY LIGHTING. SEPARATE PAYMENT WILL NOT BE MADE FOR POLE LOCATION SPECIFIC GROUNDING ITEMS. EQUIPMENT GROUNDING CONDUCTOR SHALL BE PAID FOR SEPARATELY.

(L3) SERVICE POLE PAY ITEM SHALL INCLUDE PAYMENT FOR ALL ITEMS TO CONSTRUCT IN PLACE EACH RACK OR PEDESTAL AS DESCRIBED HEREIN; ALL MATERIAL AND EQUIPMENT LOCATED PHYSICALLY IN EACH RACK OR PEDESTAL TO BE FURNISHED, INSTALLED, AND TESTED AS DESCRIBED HEREIN (INCLUDING PHOTOELECTRIC CELL MOUNTED IN EACH RACK OR PEDESTAL STRUCTURE) AND SECONDARY ELECTRIC UTILITY CONNECTIONS REQUIRED TO POWER SAID RACK OR PEDESTAL. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY FOR EXTENSIONS TO BE PAID FOR BY OWNER OUTSIDE OF THIS CONTRACT. THE SERVICE POLE PAY ITEM SHALL INCLUDE ARC FLASH ANALYSIS AT EACH LOCATION AND PHOTOMETRIC TESTING OF THE ENTIRE PROJECT EXTENTS AS OUTLINED IN THE IES HANDBOOK. PAYMENT OF STRUCTURAL CONCRETE AND REINFORCING STEEL FOR EACH PEDESTAL SHALL BE SUBSIDIARY TO SERVICE POLE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE FOR CONCRETE OR STEEL AT THIS LOCATION. ALL ADJUSTMENTS TO PROPOSED ELECTRIC SERVICE SHALL NOT BE MEASURED FOR SEPARATE PAYMENT BUT SHALL BE SUBSIDIARY TO THE SERVICE POLE PAY ITEM.

(L4) ALL WARNING TAPE, CONDUIT CLAMPS, FITTINGS, SWEEPS, TRENCHING, BORING, AND OTHER NECESSARY ITEMS FOR ROUTING CONDUIT AS SHOWN ON PLANS SHALL BE SUBSIDIARY TO CONDUIT PAY ITEM.

(L5) SEE LIGHT POLE FOOTING DETAIL FOR ADDITIONAL INFORMATION. REFER TO ODOT DETAIL GMF1-2.

(L6) LARGE QUANTITY ELECTRICAL LF ITEMS INCLUDE 10% CONTINGENCY FOR ELEVATION CHANGES, VERTICAL TRANSITION AREAS, AND OTHER INCIDENTAL ITEMS.

(L7) ALL NECESSARY MOUNTING HARDWARE AND CONDUIT FROM PULL BOX TO LIGHT POLE BASE SHALL BE SUBSIDIARY TO STRUCTURAL CONCRETE AND REINFORCING STEEL PAY ITEMS.

ODOT TRAFFIC NOTES:

(TL-9) QUANTITIES INCLUDE STRUCTURAL CONCRETE TO BE USED FOR THE FOLLOWING:
GROUND MOUNTED FOOTINGS 129 x 1.64 C.Y. = 211.56 C.Y.
BARRIER MOUNTED FOOTINGS 0 x 2.81 C.Y. = 0 C.Y.
BLOCKOUTS FOR FOOTINGS 0 x 0 C.Y. = 0 C.Y.

TOTAL OF STRUCTURAL CONCRETE = 211.56 C.Y.

(TL-10) QUANTITIES INCLUDE REINFORCING STEEL TO BE USED FOR THE FOLLOWING:
GROUND MOUNTED FOOTINGS 129 X 284 LBS. = 36,636 LBS.
BARRIER MOUNTED FOOTINGS 0 X 470 LBS. = 0 LBS.
BLOCKOUTS FOR FOOTINGS 0 X 0 LBS. = 0 LBS.

TOTAL OF REINFORCING STEEL = 36,636 LBS.

LIGHTING DESIGN GENERAL NOTES

1. FOLLOWING THE SYSTEM INSTALLATION, PRIOR TO PROJECT CLOSEOUT, THE CONTRACTOR SHALL TAKE IN-FIELD MEASUREMENTS OF ALL THE LIT SURFACES AND SUBMIT TO THE ENGINEER FOR REVIEW. MEASUREMENTS FOR HIGHWAY LIGHTING SHALL BE TAKEN ON A GRID WITH ONE POINT IN THE CENTER OF EACH LANE, AT INTERVALS OF 75'. CONTRACTOR SHALL PLOT ON A FULL-SIZE DRAWING SET EACH MEASUREMENT TAKEN. GRIDS SHALL BE ORIENTED SUCH THAT THEY ARE SYMMETRICAL ABOUT THE ALIGNMENT CENTERLINE.
2. CONTRACTOR SHALL NOTE THAT ALL ELECTRICAL DISTRIBUTION SYSTEM COMPONENTS (CONDUIT, PANELS, PULL BOXES, ETC.) ARE DESIGNED AND SIZED AROUND THE EQUIPMENT SPECIFIED. IF ALTERNATES ARE PROPOSED, IT IS THE CONTRACTOR'S RESPONSIBILITY DURING SUBMITTAL STAGE TO SUBMIT PROOF THAT THE NEW ALTERNATE WILL WORK WITH THE ELECTRICAL INFRASTRUCTURE SPECIFIED HEREIN THESE CONTRACT DOCUMENTS. IF IT WILL NOT SUPPORT THE PROPOSED ALTERNATE, THE CONTRACTOR SHALL SUBMIT WHAT MODIFICATIONS ARE REQUIRED AND THESE WILL BE MADE BY THE CONTRACTOR AT HIS/HER EXPENSE FOLLOWING APPROVAL BY THE ENGINEER.
3. LIGHT POLE FOUNDATIONS SHALL COMPLY WITH ODOT STANDARD DRAWING TYPICAL GROUND MOUNTED LIGHT POLE FOOTING DETAILS.
4. ALL ELECTRICAL WORK AND MATERIAL SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NFPA 70 (2023) NATIONAL ELECTRIC CODE, NFPA 101 (2024) LIFE SAFETY CODE, NFPA 780 (2023) STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS, STATE ELECTRICAL CODE, LOCAL ELECTRIC CODE, AND ODOT STANDARDS.
5. ALL UNDERGROUND PVC CONDUIT SHALL TRANSITION TO PVC COATED GALVANIZED RIGID STEEL CONDUIT 3' PRIOR TO EMERGENCE ABOVE GRADE.
6. REFER TO ODOT STANDARD DETAIL SHEET CCD1-1-00 FOR CONDUIT INSTALLATION NOTES AND DETAILS.
7. CONNECT ELECTRICAL EQUIPMENT ENCLOSURES, CONCRETE REBAR, AND GROUND RODS TO RESPECTIVE GROUNDING SYSTEM(S) USING #6 AWG SDBC BONDING JUMPER AND EXOTHERMIC WELDS.
8. GROUNDING SYSTEM(S) SHALL FULLY COMPLY WITH NEC SECTION 250.
9. ALL CONDUIT ROUTING, TRENCHING, EXCAVATION, AND BACKFILL SHALL COMPLY WITH ODOT STANDARD SPECIFICATIONS AND DRAWINGS.
10. ALL ELECTRICAL CONDUIT(S) IN SOIL SHALL BE SCHEDULE 40 PVC.
11. ALL ELECTRICAL CONDUIT(S) UNDER PAVEMENT SHALL BE SCHEDULE 80 PVC.
12. ALL ABOVE GRADE CONDUIT AND CONDUIT IN RAIL SHALL BE GALVANIZED RIGID STEEL CONDUIT.

ABBREVIATIONS

PH	PHASE
@	AT
#	NUMBER
A	AMP
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPACITY
AM	AMP-METER
ANN	ANNUNCIATOR
AP	AERIAL PRIMARY
AS	AERIAL SECONDARY
AUX	AUXILIARY
BFI	BLOWN FUSE INDICATOR
BI	BYPASS ISOLATION
BKR	BREAKER
BT	BOOST TRANSFORMER
C	CONDUIT
CAT	CATALOG OR CATEGORY
CB	CIRCUIT BREAKER
CGRS	PVC COATED GALVANIZED RIGID STEEL
CFCI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CKT	CIRCUIT
CL	CENTERLINE
COM	COMMON
CONT	CONTINUOUS
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CRI	COLOR RENDERING INDEX
CS	CORD SET
CU	COEFFICIENT OF UTILIZATION
DEB	DIRECT EARTH BURIED
DISC	DISCONNECT
EC	EMPTY OR EMBEDDED CONDUIT
EG	EQUIPMENT GROUND
EL	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
EP	EXISTING POLE
ETM	ELASPED TIME METER
FDS	FUSED DISCONNECT SWITCH
FLA	FULL LOAD AMPACITY
FLR	FLOOR
FMC	FLEXIBLE METALLIC CONDUIT
FT	FEET
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GRS	GALVANIZED RIGID STEEL
GM	GROUND MOUNT
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO
HP	HORSEPOWER OR HEAT PUMP
HR	HOUR
IG	ISOLATED GROUND
IGPB	IN-GRADE PULL BOX
ISP	INDIVIDUALLY SHIELDED PAIR
JB	JUNCTION BOX
kVA	KILOVOLT-AMPERE
kVAR	KILOVOLT-AMPERE, REACTIVE
kW	KILOWATT
LA	LIGHTNING ARRESTER
LC	LIGHTING CIRCUIT
LED	LIGHT EMITTING DIODE
LLF	LIGHT LOSS FACTOR
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LIP	LIGHTING INSTALLATION PLAN
LO	LUGS ONLY
LOR	LOCAL-OFF-REMOTE
LRP	LIGHTING REMOVAL PLAN
LV	LOW VOLTAGE
MAX	MAXIMUM
MBM	MEDIAN BARRIER MOUNT
MBPB	MEDIAN BARRIER PULL BOX
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MIN	MINIMUM
MH	METAL HALIDE
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NFDS	NON-FUSED DISCONNECT SWITCH
NL	NIGHT LIGHT
NTS	NOT TO SCALE
OAE	OR APPROVED EQUAL
OC	ON CENTER
ODOT	OKLAHOMA DEPARTMENT OF TRANSPORTATION
OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OH	OVERHEAD
OHP	OVERHEAD PRIMARY
OHS	OVERHEAD SECONDARY
OL	OVERLOAD
OTA	OKLAHOMA TURNPIKE AUTHORITY
PB	PULLBOX
PEC	PHOTO ELECTRIC CELL
PF	POWER FACTOR
PL	PILOT LIGHT
PNL	PANEL
PTT	PUSH-TO-TEST
PVC	SCHEDULE 40 POLYVINYL CONDUIT
RECPT	RECEPTACLE
RM	ROOM
S	SECOND
SA	SURGE ARRESTER
SE	SERVICE ENTRANCE
SHT	SHEET
S/N	SERIAL NUMBER
SN	SOLID NEUTRAL
SP	SERVICE POINT
SS	STAINLESS STEEL
STA	STATION
SW	SWITCH
SWBD	SWITCHBOARD
T	TON
TEL	TELEPHONE
TYP	TYPICAL
TC	TIME CLOCK
TR	TAMPER RESISTANT
UG	UNDER GROUND
V	VOLT
VA	VOLT-AMP
VM	VOLT-METER
W	WATT OR WIRE
WH	WEATHER HEAD
WM	WATT METER
WP	WEATHERPROOF
W/	WITH
WW	WIREWAY
XMFR	TRANSFORMER
Z	IMPEDANCE

LIGHTING INSTALLATION PLANS KEYED NOTES MASTER LIST:

(1) CONDUIT RUN SHALL BE TWO 2" CONDUITS.

(2) COORDINATE EXACT LOCATION OF UTILITY POLE AND TRANSFORMER WITH UTILITY DURING CONSTRUCTION. FOR CONNECTION, INSTALL NEW CONDUIT RUN, TWO (2) 2" CONDUITS, WITH SECONDARY CONDUCTORS AS NEEDED. THE UTILITY POINT OF CONTACT IS JEFF CONWELL, PSO, PHONE NUMBER, 918-344-9853, EMAIL, JCONWELL@AEP.COM

GENERAL CONSTRUCTION NOTES:

1. SYMBOLS AND LEGENDS ARE DIAGRAMMATIC ONLY AND LOCATIONS SHALL BE ADJUSTED FOR EXISTING FIELD CONDITIONS, BUT NO MAJOR ALTERATIONS OR RELOCATIONS WILL BE MADE WITHOUT FIRST CONSULTING WITH THE OWNER AND ENGINEER.
2. THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE O.D.O.T. STANDARDS AND DETAIL DRAWINGS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.
3. ALL BROKEN CONCRETE, WASTE MATERIAL, AND DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN AN AREA APPROVED BY THE ENGINEER. NO PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE HE MAY INFLICT TO THE EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF HIS DIGGING, TRENCHING, BORING, ETC... PRIOR TO DIGGING NEAR THE UTILITIES, THE CONTRACTOR SHALL CALL FOR A LIST OF ALL UNDERGROUND FACILITIES REGISTERED IN THE AREA OF CONSTRUCTION LISTED WITH THE FOLLOWING AGENCIES:
THE "OKIE" NOTIFICATION CENTER 811 OR 1-800-522-6543 OR WWW.CALLOKIE.COM OR THE LOCAL COUNTY CLERK'S OFFICE
5. DEPTH OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL CONTACT THE CITY OF TULSA FOR QUESTIONS CONCERNING COMPLIANCE AND INTERPRETATIONS TO THE A.A.S.H.T.O. "STANDARDS SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".
7. THE ITEMS THAT ARE TO BE REMOVED AND/OR RESET SHALL BE HANDLED WITH CARE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OCCURRING DURING THE REMOVAL AND RESET OPERATIONS.

LICENSED PROFESSIONAL ENGINEER — James K. Schmitt 34062 — OKLAHOMA

Digitally Signed 06/23/2025

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

SUMMARY OF QUANTITIES (LIGHTING)

ARTERIAL REHAB
SHERIDAN RD - 91ST TO 101ST ST
#144017-AJ

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

GARVER

PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922
TULSA, OKLAHOMA 74136 Fax: (918) 858-0107

DRAWN	POE	2025
DESIGNED	GARVER	2025
SURVEY		
PROJ. MGR.		6/25
LEAD MGR.		
FIELD MGR.		6/25

APPROVED:

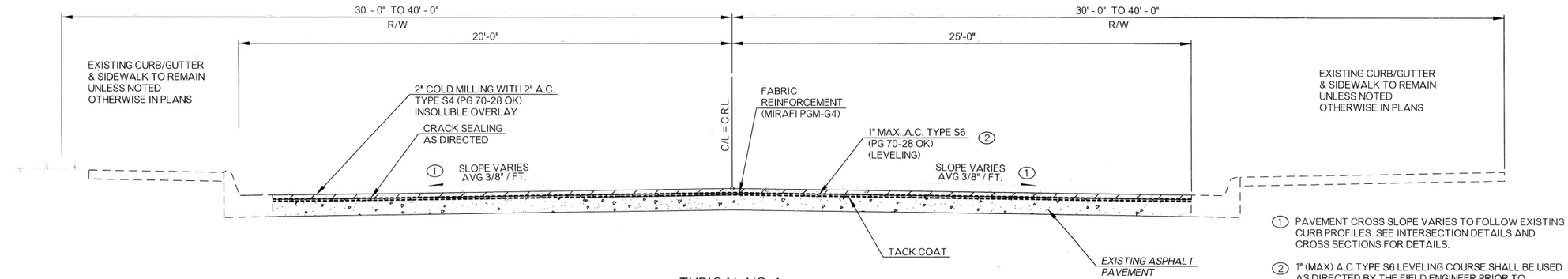
PLAN SCALE 1" = 60'
PROFILE SCALE HORIZONTAL: 1"=60' VERTICAL: 1"=60'

RECOMMENDED:

DESIGN MANAGER 7-3-25 — CITY ENGINEER

ADVERTISE DATE:			FILE:	DRAWING:	DATE: 7/3/2025
REVISION	BY	DATE	ATLAS PAGE NO.		SHEET 7 OF 268 SHEETS

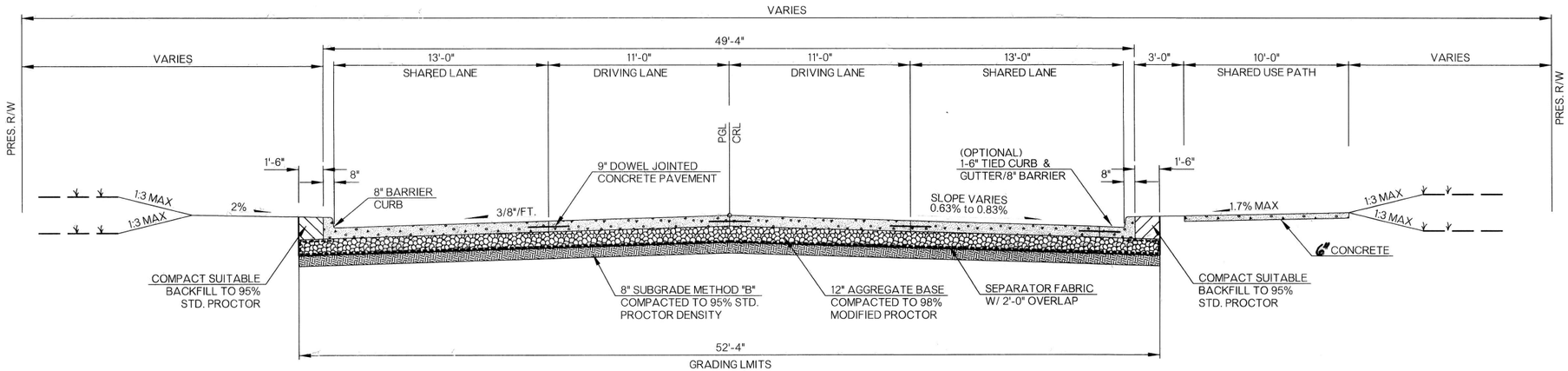
6/23/2025 9:15:32 AM L:\2020\20T27100 - Improve Our Tulsa 2 Program Management\Drawings\N Gilcrease Muesum Rd Drawings\Lighting\GMR-LIGHTING LEGEND AND GENERAL NOTES.dgn



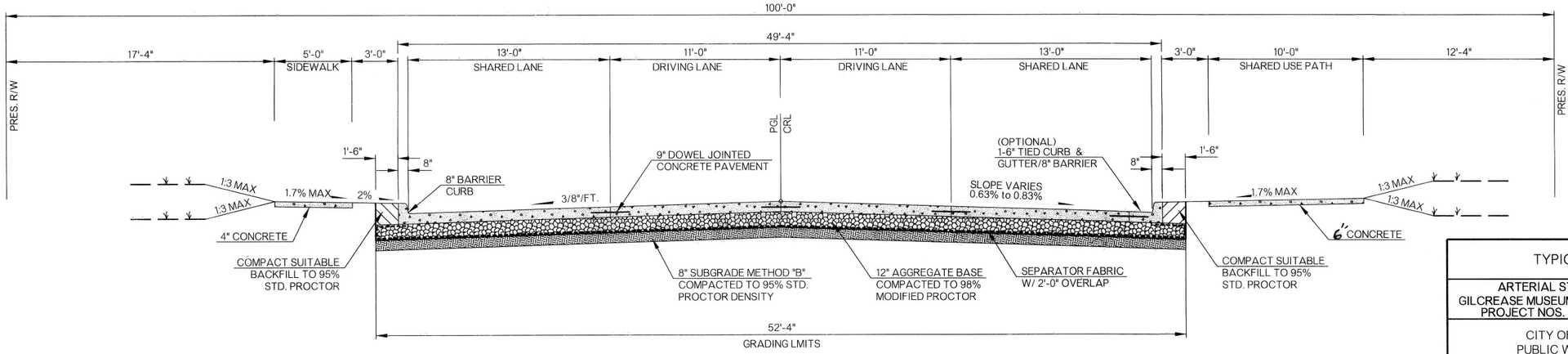
(1) PAVEMENT CROSS SLOPE VARIES TO FOLLOW EXISTING CURB PROFILES. SEE INTERSECTION DETAILS AND CROSS SECTIONS FOR DETAILS.

(2) 1" (MAX) A.C.TYPE S6 LEVELING COURSE SHALL BE USED AS DIRECTED BY THE FIELD ENGINEER PRIOR TO PLACING FABRIC REINFORCEMENT AND MAY BE OMITTED IN ITS ENTIRETY.

TYPICAL NO. 1
STA. 114+92.02 TO STA. 122+52.03



TYPICAL NO. 2
STA. 122+52.03 TO STA. 125+48.34



TYPICAL NO. 3
STA. 126+41.00 TO STA. 128+70.00

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
811
1-800-522-OKIE
CALL OKIE

REVISION	BY	DATE

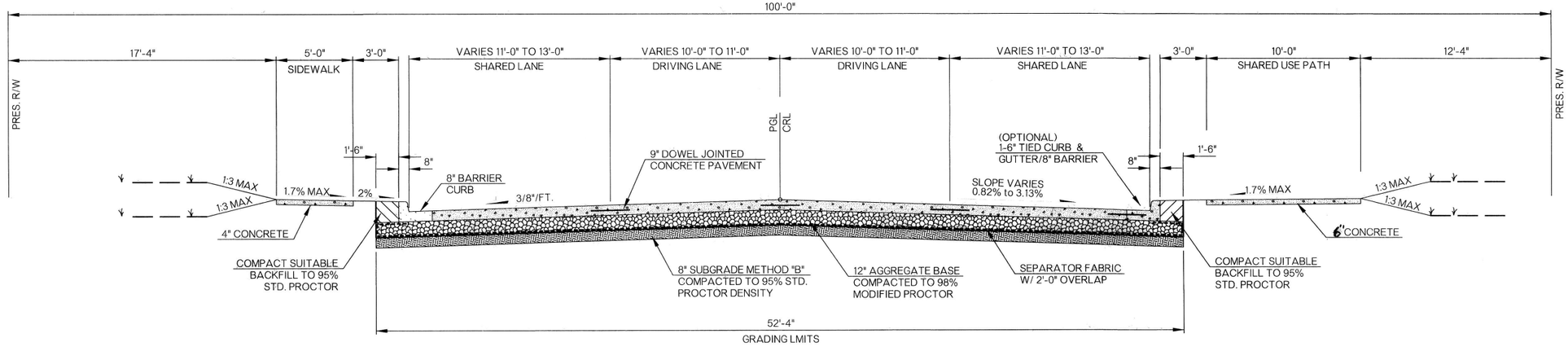
TYPICAL SECTION (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

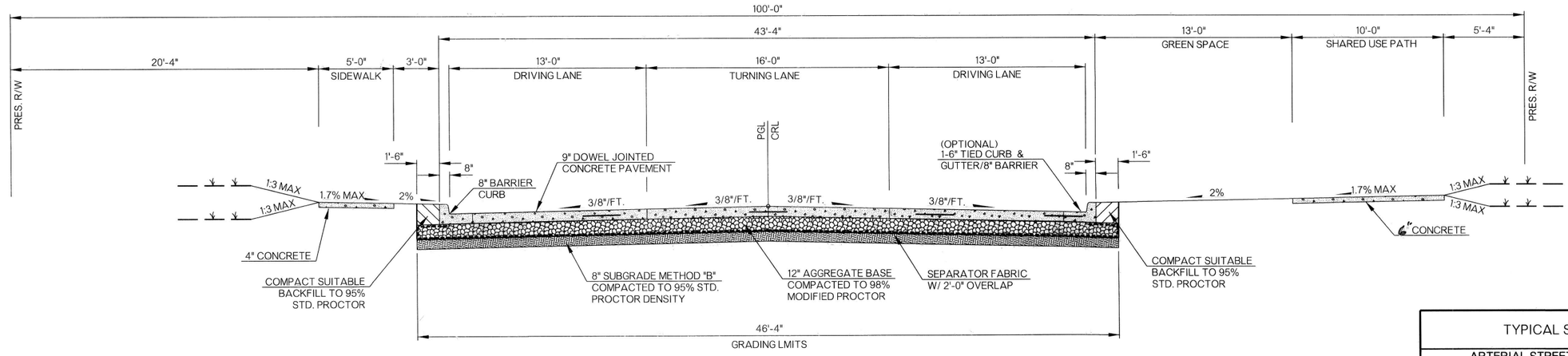
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = N/A	DESIGNED	POE	06/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	DJD	6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.	CJC	6/25	
	FIELD MGR.	EAW	6/25	
	RECOMMENDED:			
VERTICAL 1" = N/A	DESIGN MANAGER	HAL	7-7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Typical Sections		DATE:	7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET	8 OF 268 SHEETS



TYPICAL NO. 4

STA. 128+70.00 TO STA. 131+45.00



TYPICAL NO. 5

STA. 131+45.00 TO STA. 139+72.49

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

BEFORE YOU DIG
1-800-522-OKIE
811
CALL OKIE

TYPICAL SECTION (2)

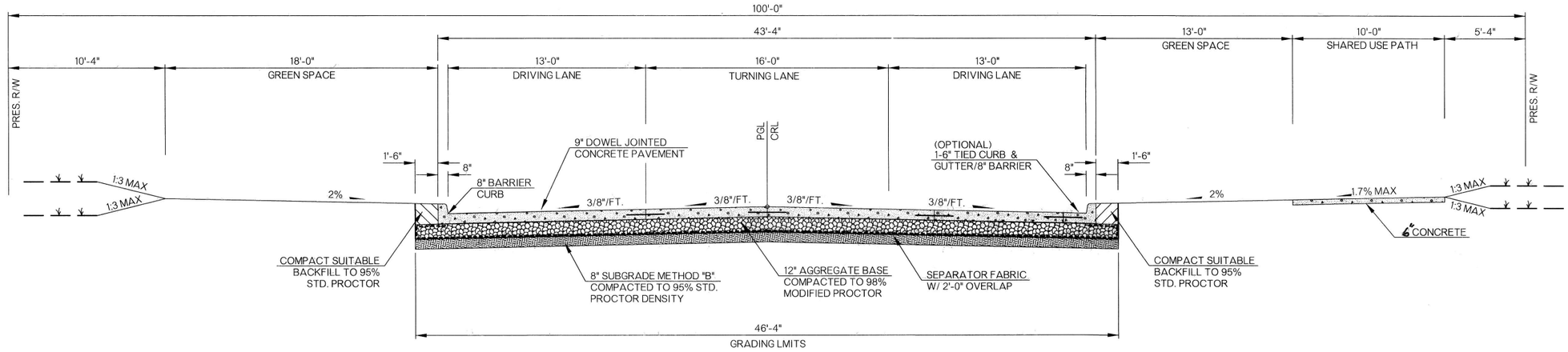
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

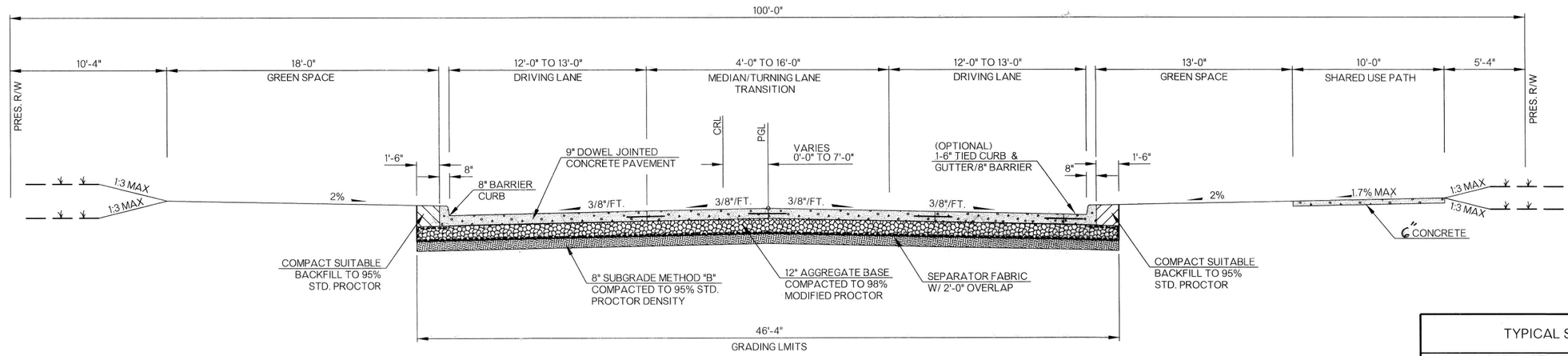
REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = N/A	DESIGNED	POE	06/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = N/A	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = N/A	RECOMMENDED:			
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Typical Sections		DATE: 7/3/2025	
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET 9 OF 268 SHEETS	



TYPICAL NO. 6

STA. 139+72.49 TO STA. 148+80.00



TYPICAL NO. 6

STA. 148+80.00 TO STA. 151+69.85

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

BEFORE YOU DIG
1-800-522-OKIE
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TYPICAL SECTION (3)

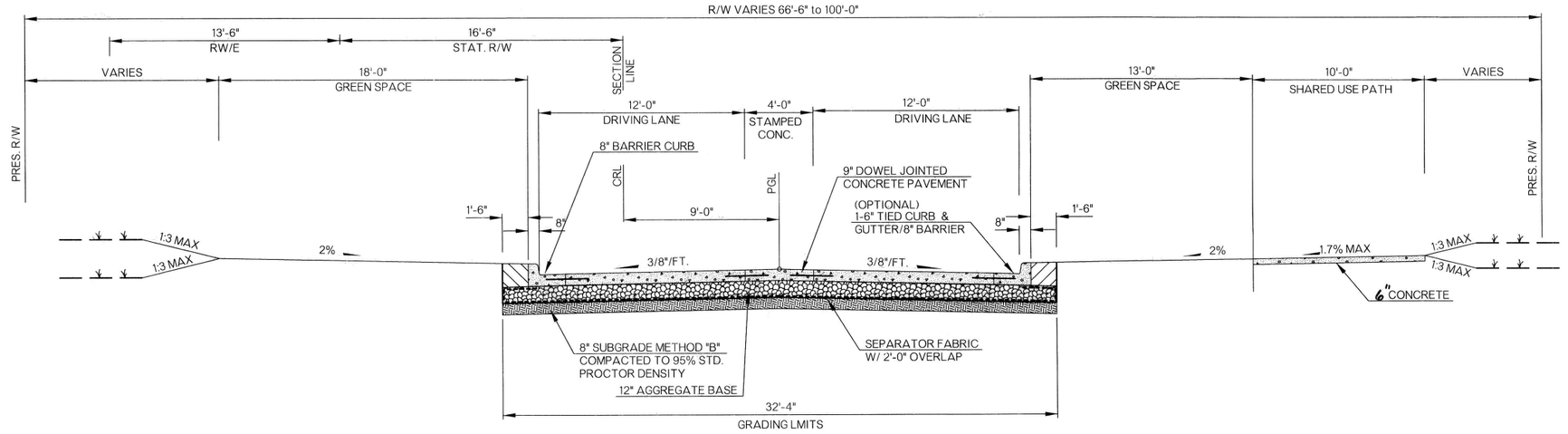
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

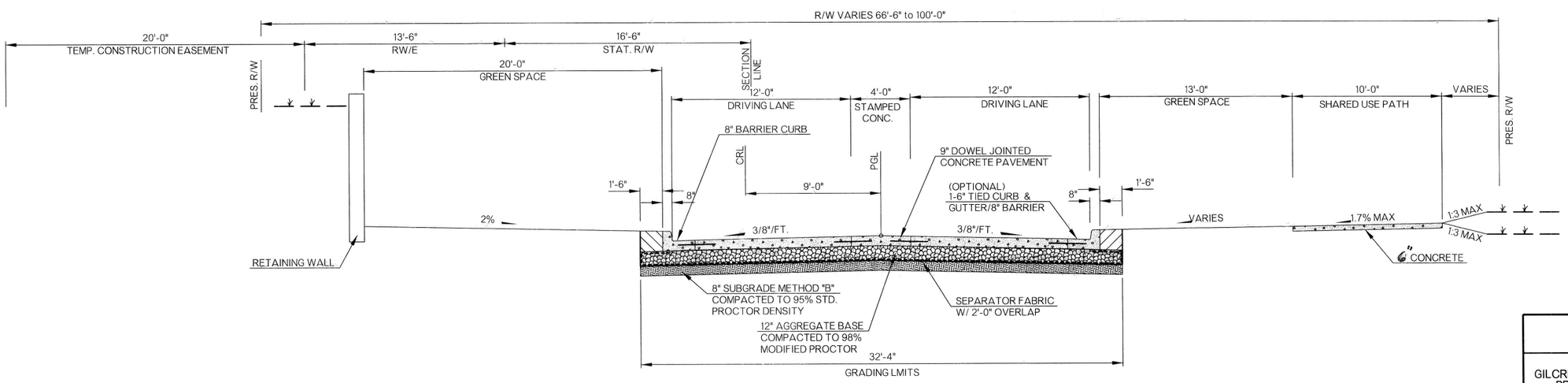
REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = N/A	DESIGNED	POE	06/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL:	LEAD ENGR.			
1" = N/A	FIELD MGR.			
VERTICAL	RECOMMENDED:			
1" = N/A	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Typical Sections		DATE:	7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET 10	OF 268 SHEETS



TYPICAL NO. 7

STA. 150+50.69 TO STA. 155+50.00



TYPICAL NO. 8

STA. 155+50.00 TO STA. 164+74.00

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

BEFORE YOU DIG
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TYPICAL SECTION (4)

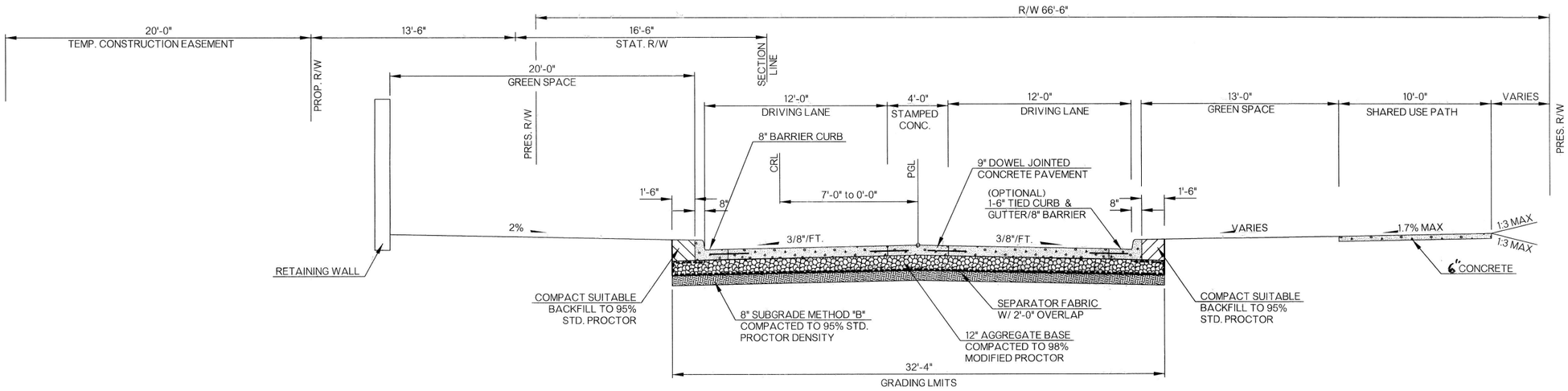
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

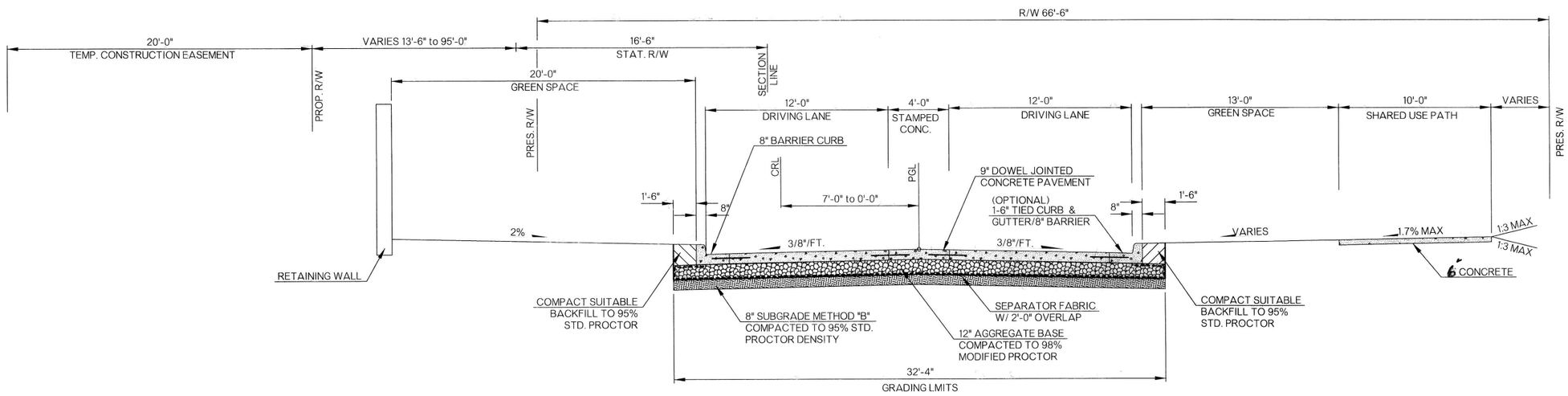
REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		7/2/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/24	
	FIELD MGR.		6/25	
VERTICAL: 1" = N/A	RECOMMENDED: DESIGN MANAGER		7-2-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Typical Sections			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 11 OF 268 SHEETS



TYPICAL NO. 9

STA. 164+70.00 TO STA. 165+92.08



TYPICAL NO. 10

STA. 165+92.08 TO STA. 168+02.95

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

BEFORE YOU DIG
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CALL OKIE

REVISION	BY	DATE

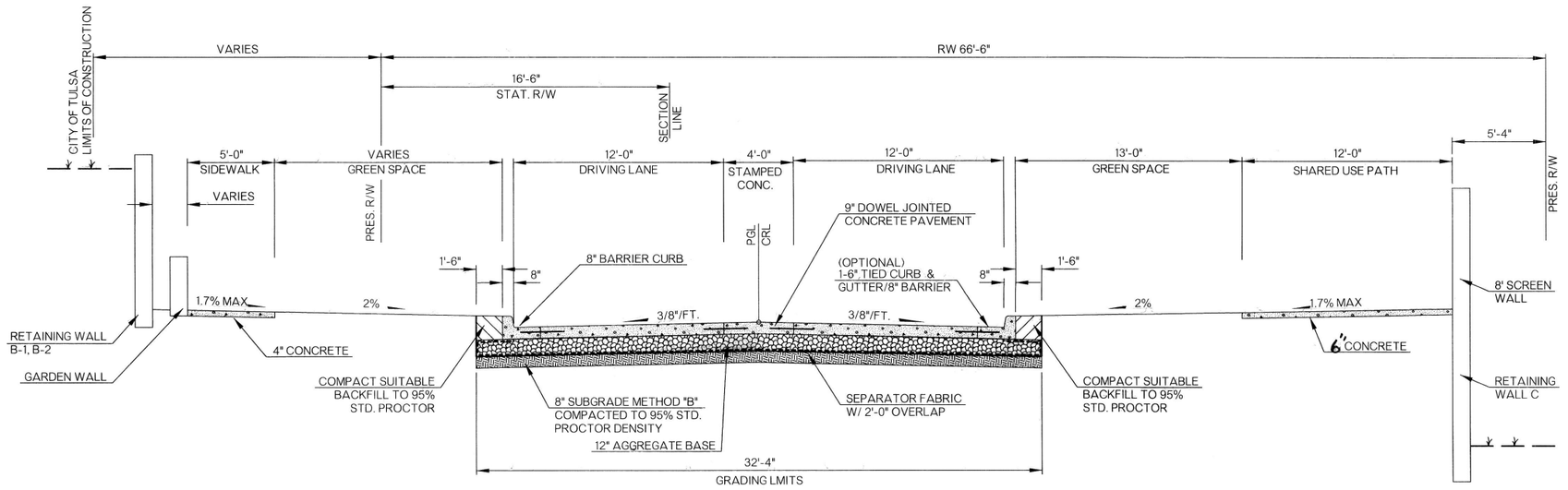
TYPICAL SECTION (5)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

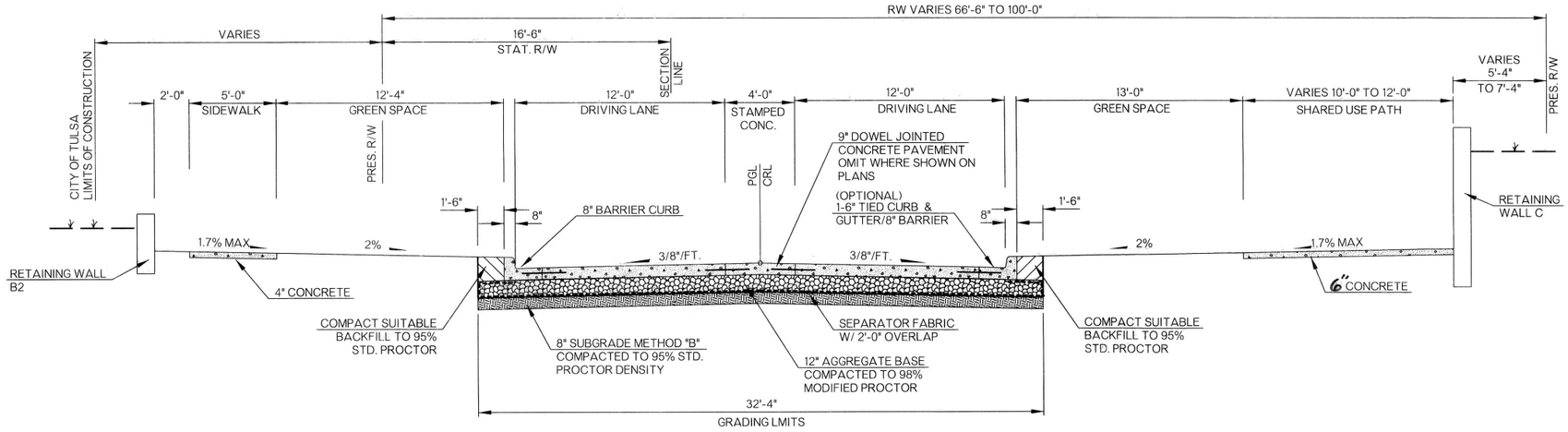
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = N/A	DESIGNED	POE	06/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	DJO	6/25	
HORIZONTAL:	LEAD ENGR.		6/25	
1" = N/A	FIELD MGR.		6/25	
VERTICAL	RECOMMENDED:	HAS 7-25		
1" = N/A	DESIGN MANAGER	TRD	CITY ENGINEER	
FILE: H:\21-1009	DRAWING: 21-1009-Typical Sections		DATE:	7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET 12	OF 268 SHEETS



TYPICAL NO. 11

STA. 168+02.95 TO STA. 177+55.00



TYPICAL NO. 12

STA. 177+50.00 TO STA. 182+19.26

JARED T. BATES
LICENSED PROFESSIONAL ENGINEER
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG 1-800-522-OKIE 811 CALL OKIE

TYPICAL SECTION (6)

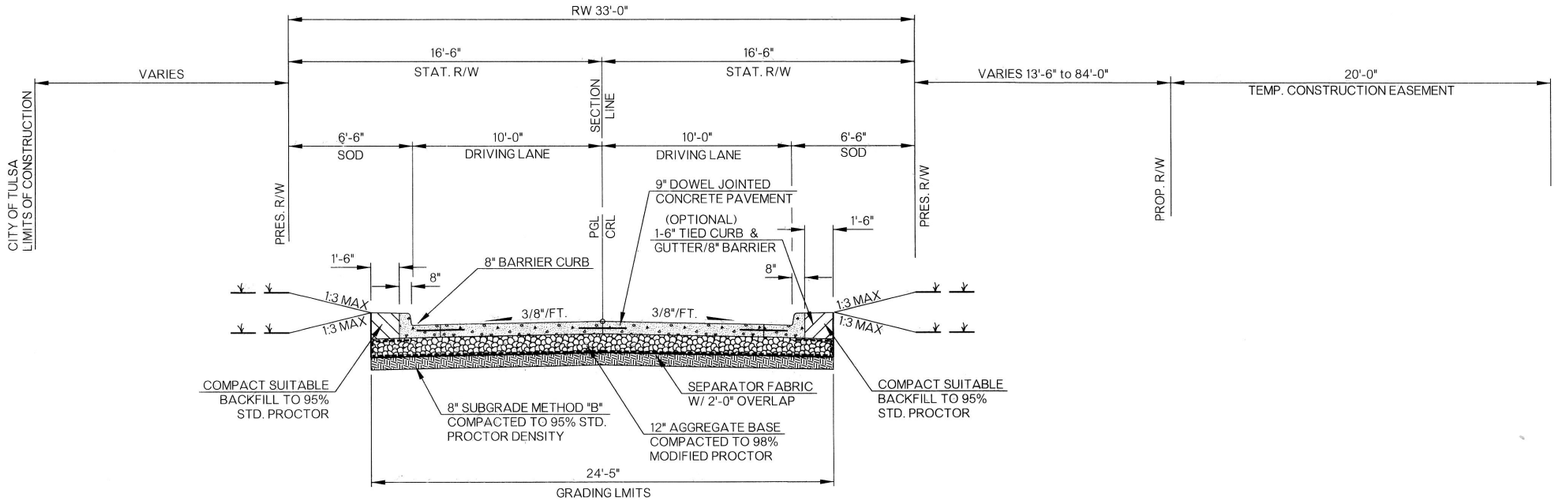
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

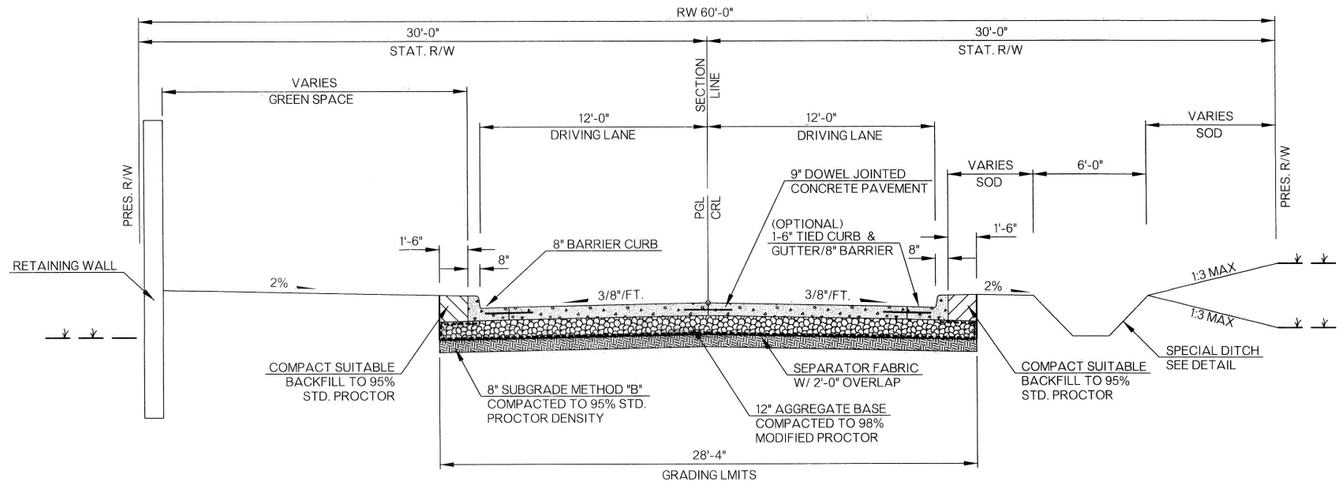
REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = N/A	DESIGNED	POE	06/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	DW	6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.	JD	6/25	
	FIELD MGR.	EAW	6/26	
VERTICAL: 1" = N/A	RECOMMENDED:	HAS 7-25 POE		CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Typical Sections		DATE:	7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET 13 OF 268 SHEETS	



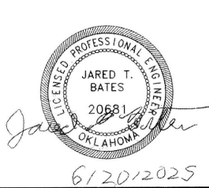
TYPICAL NO. 13

NEWTON STA. 28+65.00 TO STA. 29+88.00



TYPICAL NO. 14

NEWTON STA. 30+12.00 TO STA. 32+52.93



6/20/2025



TYPICAL SECTION (7)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
1" = N/A	SURVEY			
PROFILE SCALE:	PROJ. MGR.	DJQ	6/25	
	LEAD ENGR.	DJQ	6/25	
HORIZONTAL: 1" = N/A	FIELD MGR.	Brw	6/25	
	RECOMMENDED:	HAS	7-25	
VERTICAL: 1" = N/A	DESIGN MANAGER	TMB		CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Typical Sections			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 14 OF 268 SHEETS

SUMMARY OF SURFACING

SHEET NAME	303(A) AGGREGATE BASE-TYPE A	310(B) SUBGRADE, METHOD B	325 SEPARATOR FABRIC	409 FABRIC REINFORCEMENT	411(C) SUPERPAVE, TYPE S4 (PG 70-28 OK) INSOLUBLE	411(E) SUPERPAVE, TYPE S6/PG 70-28 OK)	412 COLD MILLING PAVEMENT	414(B) DOWEL JOINTED P.C.C. PAVT. (PLACEMENT)	414(B) DOWEL JOINTED P.C.C. PAVT. (PLACEMENT) W/ INT. CLR. & BRICK STAMP	414(G) P.C. CONCRETE PAVEMENT	414(G) P.C. CONCRETE PAVEMENT W/ INTEGRAL COLOR AND BRICK STAMP	609(B) 2'-2" COMB. CURB & GUTTER (8" BARRIER)	610(A) 4" CONCRETE SIDEWALK	610(A) 4" CONCRETE SIDEWALK W/ BRICK PATTERN	610(I) TACTILE WARNING DEVICE (NEW)	612(A) INLET ADJUST TO GRADE	610(B) 6" CONCRETE DRIVEWAY (ADA RAMPS) AND SIDE PATHS	
	CY	SY	SY	SY	TON	TON	SY	SY		CY		LF	SY	SY	SF	EA	EA	SY
PAVING PLAN (1)	121	275	325	3406	381	143	3406	174	—	44	—	218	903	18	180	2	7	113
PAVING PLAN (2)	754	2142	2485	841	94	35	841	1889	—	472	—	545	415	65	170	—	4	78
PAVING PLAN & PROFILE (1)	903	2541	2957	—	—	—	—	2151	—	538	—	841	721	—	156	—	4	66
PAVING PLAN & PROFILE (2)	977	2754	3207	—	—	—	—	2306	—	577	—	967	735	—	40	—	2	36
PAVING PLAN & PROFILE (3)	952	2690	3132	—	—	—	—	2265	—	566	—	917	801	—	20	—	2	20
PAVING PLAN & PROFILE (4)	894	2530	2947	—	—	—	—	2111	—	528	—	904	556	—	—	—	—	—
PAVING PLAN & PROFILE (5)	924	2605	3034	—	—	—	—	2186	—	547	—	905	463	—	40	—	2	50
PAVING PLAN & PROFILE (6)	640	1775	2078	—	—	—	—	1208	169	302	42	860	556	—	—	—	—	—
PAVING PLAN & PROFILE (7)	635	1753	2053	—	—	—	—	1111	223	278	56	904	556	—	—	—	—	—
PAVING PLAN & PROFILE (8)	646	1779	2086	—	—	—	—	1111	223	278	56	960	556	—	—	—	—	—
PAVING PLAN & PROFILE (9)	686	1909	2227	—	—	—	—	1368	188	342	47	761	679	—	104	—	3	54
PAVING PLAN & PROFILE (10)	646	1779	2086	—	—	—	—	1111	223	278	56	960	945	—	—	—	—	—
PAVING PLAN & PROFILE (11)	654	1784	2092	—	—	—	—	1138	196	285	49	972	904	—	20	—	2	8
PAVING PLAN & PROFILE (12)	337	932	1087	—	—	—	—	752	22	188	6	342	152	—	20	—	3	28
P&P Newton	398	1107	1049	—	—	—	—	865	—	216	—	523	—	—	—	—	—	—
TOTAL	10165	28355	32844	4247	476	178	4247	21746	1244	5437	311	11579	8942	83	750	2	29	453

1983

7196

SUMMARY OF DRIVEWAYS

STATION AND LOCATION		LEFT RADIUS	RIGHT RADIUS	LENGTH	WIDTH	EXISTING SLOPE		PROPOSED SLOPE		303(A) AGGREGATE BASE-TYPE A	310(B) SUBGRADE, METHOD B	610(B) 6" CONCRETE DRIVEWAY (H.E.S.)	202(A) UNCLASSIFIED EXCAVATION*
		FT	FT	FT	FT	%(FRONT)	%(BACK)	%(FRONT)	%(BACK)	CY	SY	SY	CY
111+57.38	RT	15	15	22	34	-4.14	-4.14	-6.74	-2.00	4.86	21	21	4.86
115+81.96	RT	15	15	24	35	-5.36	-5.36	-6.74	-2.00	5.07	22	22	5.07
128+20.81	RT	15	15	30	36	1.13	3.65	2.06	1.70	5.44	24	24	5.44
130+66.46	RT	15	15	36	27	10.15	10.15	8.54	1.70	5.25	25	25	5.25
177+93.00	LT	15	15	24	47	2.24	2.24	2.00	4.79	6.22	26	26	6.22
TOTALS										30	130	118	27

STATION TO STATION			619(B) REMOVAL OF PAVEMENT	619(B) REMOVAL OF DRIVEWAY	619(B) REMOVAL OF CURB & GUTTER	619(B) REMOVAL OF SIDEWALK	619(B) REMOVAL OF CURB RAMP	619(B) REMOVAL OF DRAINAGE PIPE/CHANNEL	619(B) REMOVAL OF DRAINAGE INLET	619(B) REMOVAL OF MANHOLE	619(B) REMOVAL OF HEADWALL	619(B) REMOVAL OF GUARDRAIL	619(B) REMOVAL OF RIP-RAP	619(B) REMOVAL OF FENCE	619(B) REMOVAL OF NEIGHBORHOOD SIGN	619(B) REMOVAL OF FLAGSTONE DRIVEWAY	619(B) REMOVAL OF GATE AND STONE COLUMNS	619(B) REMOVAL OF ROCK WALL	619(B) REMOVAL OF RETAINING WALL	SPECIAL REMOVAL OF TREE 6 INCH TO 12 INCH	SPECIAL REMOVAL OF TREE 12 INCH TO 18 INCH	SPECIAL REMOVAL OF TREE 18 INCH TO 24 INCH	SPECIAL REMOVAL OF TREE GREATER THAN 24 INCH	SPECIAL TRIM TREE
			SY	SY	LF	SY	EA	LF	EA	EA	EA	LF	SY	LF	EA	SY	EA	LF	LF	EA	EA	EA	EA	EA
BOP	TO	120+50	419	251	431	419	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
120+50	TO	EDISON	1,878	-	636	37	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
EDISON	TO	136+50	4,127	281	889	30	2	484	1	-	2	306	147	-	1	-	-	-	-	11	2	-	7	4
136+50	TO	147+50	3,476	-	259	-	-	138	1	-	-	-	101	72	1	-	-	-	-	3	1	-	8	4
147+50	TO	158+50	3,029	-	-	-	-	46	-	-	-	-	-	-	-	-	-	-	-	1	3	1	-	4
158+50	TO	169+50	2,853	23	-	-	-	209	2	-	1	-	-	632	1	67	1	105	-	4	3	1	1	-
169+50	TO	180+50	3,111	-	-	-	-	189	2	-	5	167	-	835	-	-	-	816	-	4	21	-	1	-
180+50	TO	EOP	780	-	-	-	-	81	1	-	-	60	-	82	-	-	-	70	-	-	-	-	-	-
28+65	TO	32+52.93	750	-	-	-	-	-	-	-	-	-	-	294	-	-	-	-	180	-	-	-	-	-
		TOTALS	20,423	555	2,215	486	4	1,147	7	0	8	533	248	1,915	3	67	1	991	180	23	30	2	17	23

SUMMARY OF STRIPING

STATION EXTENTS	TRAFFIC STRIPE (SEE TABLE BELOW)					
	855(A)				855(B)	
	4" YELLOW	4" WHITE	12" WHITE	24" WHITE	ARROWS/ SYMBOLS/ BICYCLE	SOLID GREEN FILL
BOP TO STA. 120+50	2,330	498	0	180	0	0
STA. 120+50 TO STA. EDISON	1,380	488	80	444	10	120
STA. EDISON TO STA. 136+50	3,069	450	0	168	4	0
STA. 136+50 TO STA. 147+50	4,050	120	0	24	2	0
STA. 147+50 TO STA. 158+50	4,580	80	0	0	2	0
STA. 158 TO STA. 169+50	4,231	0	0	150	0	0
STA. 169+50 TO STA. 180+50	4,160	0	0	0	0	0
STA.180+50 TO EOP	350	200	20	106	6	30
TOTAL:	24,150	1,836	100	1,072	24	150

NOTE:

TRAFFIC SIGNING AND STRIPING SHEETS ARE FOR BIDDING PURPOSES ONLY. FINAL SIGN AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.

SUMMARY OF TEMPORARY SEDIMENT CONTROL

STATION TO STATION			221(B) TEMPORARY SILT FENCE	221(D) TEMPORARY SEDIMENT FILTER	221(F) TEMPORARY ROCK FILTER DAM TYPE 1
			LF	EA	CY
110+00	TO	120+00	-	2	-
120+00	TO	130+00	525	2	
130+00	TO	140+00	925	7	500
140+00	TO	150+00	1075	6	-
150+00	TO	160+00	750	11	-
160+00	TO	170+00	300	8	-
170+00	TO	180+00	-	8	-
180+00	TO	182+50	200	3	-
TOTALS			3,775	47	500

SUMMARY OF EARTHWORK

LOCATION	202(A) UNCLASSIFIED EXCAVATION	EXCESS EXCAVATION
	CY	CY
25TH W. AVE/GMR	62720	51252
TOTAL	62720	51252

JARED T. BATES 20681 LICENSED PROFESSIONAL ENGINEER OKLAHOMA

6/20/2025

BEFORE YOU DIG OKIE 811 1-800-522-OKIE CALL OKIE

SUMMARY SHEETS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A
FILE: H:\21-1009
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

DRAWN 06/2023 APPROVED:
DESIGNED 06/2023
SURVEY
PROJ. MGR.
LEAD ENGR.
FIELD MGR.
RECOMMENDED:
DESIGN MANAGER HAS 7-25 CITY ENGINEER
DRAWING:21-1009-SUMMARY DATE: 7/3/2025
SHEET 15 OF 268 SHEETS

SUMMARY OF SIGNS

SIGN LOCATION NO.	APPROXIMATE STATION AND OFFSET	EXISTING SIGN	PROPOSED SIGN INFORMATION						SQUARE POST			REMARKS
			NOTATION	TYPE	STREET NAME	BLOCK	DIMENSIONS	AREA	2"	1 3/4"	1 1/2"	
							INCHES	S.F.	L.F.	L.F.	L.F.	
1	111+75.00 (38' LT)	RIGHT REVERSE CURVE	W1-4(R)	RIGHT REVERSE CURVE	-----	----	30 x 30	6.25	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
2	112+00.00 (37.0' LT)	MTTA BUS STOP		BUS STOP	-----	----	----					LEAVE EXISTING SIGN & POST
3	112+75.00 (28.0' RT)	SPEED LIMIT	R2-1(35)	SPEED LIMIT	-----	----	24 x 30	5	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
4	113+35.00 (50.0' LT)	STREET NAME		STREET NAME	W CAMERON ST	2500	36 X 9	2.25	3	10.5	2	REMOVE AND REPLACE EXISTING SIGN
5		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	300	48 X 9	3				REMOVE AND REPLACE EXISTING SIGN
6		STOP	R1-1	STOP	-----	----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
7	113+35.00 (50.0' RT)	STREET NAME		STREET NAME	W CAMERON ST	2400	36 X 9	2.25	3	10.5	2	REMOVE AND REPLACE EXISTING SIGN
8		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	300	48 X 9	3				REMOVE AND REPLACE EXISTING SIGN
9		STOP	R1-1	STOP	-----	----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
10	114+75.00 (30.0' LT)	NO PARKING		NO PARKING	-----	----	0	0	0	0	0	REMOVE EXISTING SIGN & POST
11	114+80.00 (30.0' LT)	ODOT ROUTE ASSEMBLY		ODOT ROUTE SIGNS	-----	----						LEAVE EXISTING SIGN & POSTS
12	114+95.00 (33.0' RT)	MTTA BUS STOP		STREET NAME			36 X 9	2.25	3	10.5	2	REMOVE AND REPLACE EXISTING SIGNS
13	115+10.00 (33.0' RT)	INFORMATION SIGN		INFORMATION SIGN			42 X 9	2.63				REMOVE AND REPLACE EXISTING SIGNS
14	116+15.00 (37.0' LT)	STREET NAME		STREET NAME	W EASTON ST	2500	36 X 9	2.25	3	10.5	2	REMOVE AND REPLACE EXISTING SIGN
15		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	300	48 X 9	2.63				REMOVE AND REPLACE EXISTING SIGN
16		STOP	R1-1	STOP		----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
17	117+05.00 (47.0' RT)	STREET NAME		STREET NAME	W EASTON ST	2400	36 X 9	2.25	3	10.5	2	REMOVE AND REPLACE EXISTING SIGN
18		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	300	48 X 9	3				REMOVE AND REPLACE EXISTING SIGN
19		STOP	R1-1	STOP		----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
20		OWENS PARK		NIEGHBORHOOD SIGN	-----	----						REINSTALL EXISTING SIGN ON BACK OF STOP SIGN
21	118+55.00 (30.0' LT)	NO PARKING		NO PARKING	-----	----		0	3	10.5	0	REMOVE AND REPLACE EXISTING SIGNS
22	120+00.00 (36.0' LT)	STREET NAME		STREET NAME	W EASTON PL	2500	36 x 9	2.25	3	10.5	10.5	REMOVE AND REPLACE EXISTING SIGN
23		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	300	48 X 9	3				REMOVE AND REPLACE EXISTING SIGN
24		STOP	R1-1	STOP		----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
25	120+25.00 (50.0' RT)	STREET NAME		STREET NAME	W EASTON PL	2400	36 X 9	2.25	3	10.5	2	REMOVE AND REPLACE EXISTING SIGNS
26		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	300	48 X 9	3				REMOVE AND REPLACE EXISTING SIGNS
27		STOP	R1-1	STOP		----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
28		OWENS PARK		NIEGHBORHOOD SIGN								REINSTALL EXISTING SIGN ON BACK OF STOP SIGN
29	121+65.00 (30.0' LT)	NO PARKING		NOPARKING					0	0	0	REMOVE EXISTING SIGN & POST
30	121+70.00 (30.0' LT)	ODOT ROUTE ASSEMBLY		ODOT ROUTE SIGNS								LEAVE EXISTING SIGN & POST
31	121+95.00 (30.0' LT)	MTTA BUS STOP		BUS STOP								LEAVE EXISTING SIGN & POST
32	121+95.00 (30.0' LT)	SPEED LIMIT	R2-1(35)	SPEED LIMIT			24 x 30	5	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
33	122+95.00 (44.0'LT)	STREET NAME		STREET NAME	W EASTON CT	2500	36 X 9	2.25	3	10.5	2	REMOVE AND REPLACE EXISTING SIGN
34		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	400	48 X 9	3				REMOVE AND REPLACE EXISTING SIGN
35		STOP	R1-1	STOP		----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
36	124+00.00 (45.0' RT)	STREET NAME		STREET NAME	W EASTON CT	2300	36 X 9	2.25	3	10.5	2	REMOVE AND REPLACE EXISTING SIGN
37		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	300	48 X 9	3				REMOVE AND REPLACE EXISTING SIGN
38		STOP	R1-1	STOP		----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
39		OWENS PARK										REINSTALL EXISTING SIGN ON BACK OF STOP SIGN
40	124+35.00 (28.0' RT)	RIGHT TURN ONLY		REGLATORY SIGN								REMOVE EXISTING SIGN
41	124+35.00 (27.0' RT)	NO PARKING		NO PARKING THIS SIDE								REMOVE AND REPLACE EXISTING SIGN & POST
42	126+65.00 (39.0' RT)	GILCREASE MUSEUM	PRIVATE									LEAVE SIGN AND POSTS
43	127+75.00 (26.0' RT)	----	W4-2(L)	RIGHT LANE ENDS			36 x 36	9	3	10.5	0	NEW SIGN AND POST
44	129+95.00 (44.0' LT)	STREET NAME		STREET NAME	W FAIRVIEW AR	2500	42 x 9	2.63	3	10.5	2	REMOVE AND REPLACE EXISTING SIGN
45		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	600	48 X 9	3				REMOVE AND REPLACE EXISTING SIGN
46		STOP	R1-1	STOP		----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
47		SKYLINE WEST		NIEGHBORHOOD SIGN	-----	----						REINSTALL EXISTING SIGN ON BACK OF STOP SIGN
48	130+00.00 (24.0' RT)	----	R3-9B	CENTER TURN LANE			24 x 36	6	3	10.5	0	NEW SIGN AND POST
49	130+24.00 (34.0' RT)	SPEED LIMIT					24 x 30	5	3	10.5	0	NEW SIGN AND POST
50	132+60.00 (44.0' RT)	STREET NAME		STREET NAME	W HASKELL ST	2400	36 x 9	2.25	3	10.5	2.5	REMOVE AND REPLACE EXISTING SIGN
51		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	600	48 X 9	3				REMOVE AND REPLACE EXISTING SIGN
52		STOP	R1-1	STOP		----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
53		ALERT NEIGHBOR.			-----	----						REINSTALL EXISTING SIGN ON TOP
54	134+50.00 (24.0' RT)	----	R3-9B	CENTER TURN LANE			24 x 36	6	3	10.5	0	NEW SIGN AND POST
55	134+50.00 (24.0' LT)	----	R3-9B	CENTER TURN LANE			24 x 36	6	3	10.5	0	NEW SIGN AND POST
56	140+00.00 (40.0' LT)	STREET NAME		STREET NAME	W HASKELL PL	2500	36 x 9	2.63	3	10.5	2	REMOVE AND REPLACE EXISTING SIGN
57		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	700	48 X 9	3				REMOVE AND REPLACE EXISTING SIGN
58		STOP	R1-1	STOP		----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
59		SKYLINE WEST			-----	----						REINSTALL EXISTING SIGN ON BACK OF STOP SIGN
60	141+50.00 (24.0' RT)	----	R3-9B	CENTER TURN LANE			24 x 36	6	3	10.5	0	NEW SIGN AND POST
61	141+50.00 (24.0' LT)	----	R3-9B	CENTER TURN LANE			24 x 36	6	3	10.5	0	NEW SIGN AND POST
62	142+00.00 (24.0' LT)	SPEED LIMIT	R2-1(35)	SPEED LIMIT			24 x 30	5	3	10.5	0	NEW SIGN AND POST
63	147+05.00 (44.0' RT)	STREET NAME		STREET NAME	W INDEPENDENCE PL	2400	48 X 9	3	3	10.5	2.5	REMOVE AND REPLACE EXISTING SIGN
64		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	800	48 X 9	3				REMOVE AND REPLACE EXISTING SIGN
65		STOP	R1-1	STOP		----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
66		ALERT NIEGHBORS			-----	----						REINSTALL EXISTING SIGN ON TOP
67	151+00.00 (10.0' LT)	NONE	W11-3	DEER CROSSING		----	30 x 30	6.25	3	10.5	0	NEW SIGN AND POST
68	151+00.00 (24.0' RT)	DEER CROSSING	W11-3	DEER CROSSING		----	30 x 30	6.25	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
69	151+50.00 (10.0' LT)	STOP SIGN AHEAD	W3-1	STOP SIGN AHEAD		----	30 x 30	6.25	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
70	163+00.00 (24.0' RT)	STOP SIGN AHEAD	W3-1	STOP SIGN AHEAD		----	30 x 30	6.25	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
71	163+00.00 (10.0' LT)	SPEED LIMIT	R2-1(35)	SPEED LIMIT		----	24 x 30	5	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
72	167+75.00 (21.0' RT)	STOP	R1-1	STOP		----	30 x 30	5.18	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
73		All WAYS	R1-4P	ALL WAYS		----	18 x 6	0.75				REMOVE AND REPLACE EXISTING SIGN
74	167+90.00 (30.0' LT)	STREET NAME		STREET NAME	W NEWTON ST	2500	36 x 9	2.25	3	10.5	2	REMOVE AND REPLACE EXISTING SIGN
75		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	1200	48 x 9	3				REMOVE AND REPLACE EXISTING SIGN
76		STOP	R1-1	STOP		----	30 x 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
77		All WAYS	R1-4P	ALL WAYS		----	18 x 6	0.75				REMOVE AND REPLACE EXISTING SIGN
78	168+25.00 (22.0' RT)	NONE		STREET NAME	W NEWTON ST	2500	36 x 9	2.25	3	10.5	2	NEW SIGN
79		NONE		STREET NAME	N GILCREASE MUSEUM RD	1200	48 x 9	3				NEW SIGN
80		STOP	R1-1	STOP		----	30 x 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
81		All WAYS	R1-4P	ALL WAYS		----	18 x 6	0.75				REMOVE AND REPLACE EXISTING SIGN
82	168+35.00 (17.0' LT)	STOP	R1-1	STOP		----	30 x 30	5.18	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
83		All WAYS	R1-4P	ALL WAYS		----	18 x 6	0.75				REMOVE AND REPLACE EXISTING SIGN
84	168+45.00 (18.0' RT)	GILCREASE HILLS				----						REMOVE
85	168+75.00 (20.0' LT)	GILCREASE MUSEUM				----						TO BE REMOVED AND RELOCATED BY OTHERS
86	171+25.00 (17' RT)	SPEED LIMIT	R2-1 (35)	SPEED LIMIT		----	24 x 30	5	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
87	173+00.00 (17.0' LT)	STOP SIGN AHEAD	W3-1	STOP SIGN AHEAD		----	30 x 30	6.25	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
88	178+25.00 (17.0' RT)	NONE	W3-1	STOP SIGN AHEAD		----	30 x 30	6.25	3	10.5	0	NEW SIGN AND POSTS
89	178+50.00 (17.0' LT)	SPEED LIMIT	R2-1 (35)	SPEED LIMIT		----	24 x 30	5	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
90	179+75.00 (17.0' RT)	NONE	W11-3	DEER CROSSING		----	30 x 30	6.25	3	10.5	0	NEW SIGN AND POST
91	180+25.00 (16.0' LT)	DEER CROSSING	W11-3	DEER CROSSING		----	30 x 30	6.25	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
92	181+05.00 (16.0' RT)	STOP	R1-1	STOP		----	30 X 30	5.18	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
93		3-WAY	R1-4P	ALL WAYS		----	18 x 6	0.75				REMOVE AND REPLACE EXISTING SIGN
94	181+50.00 (16.0' LT)	DOUBLE ARROW	W1-7	DOUBLE ARROW			48 x 24	8	6	10	0	REPLACE WITH NEW DOUBLE POST AND SIGN
95	181+75.00 (37.0'RT)	STREET NAME		STREET NAME	W PINE ST	2500	30 x 9	1.9	3	11	2	REMOVE AND REPLACE EXISTING SIGN
96		STREET NAME		STREET NAME	N GILCREASE MUSEUM RD	1500	48 X 9	3				REMOVE AND REPLACE EXISTING SIGN
97		STOP	R1-1	STOP		----	30 X 30	5.18				REMOVE AND REPLACE EXISTING SIGN & POST
98		3-WAY	R1-4P	ALL WAYS		----	18 x 6	0.75				REMOVE AND REPLACE EXISTING SIGN
99	182+10.00 (16.0' LT)	STOP	R1-1	STOP		----	30 X 30	5.18	3	10.5	0	REMOVE AND REPLACE EXISTING SIGN & POST
100		3-WAY	R1-4P	ALL WAYS		----	18 x 6	0.75				REMOVE AND REPLACE EXISTING SIGN
							TOTAL	326	135	462	42	

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

SUMMARY SHEETS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	06/2023	APPROVED:
1" = N/A	DESIGNED	06/2023	
	SURVEY		
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL: 1" = N/A	LEAD ENGR.		
	FIELD MGR.		
	RECOMMENDED:		
VERTICAL 1" = N/A	DESIGN MANAGER	7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING:21-1009-SUMMARY		DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET 16 OF 268 SHEETS

SUMMARY OF WATERLINE QUANTITIES

ITEM	SPEC. NO.	DESCRIPTION	UNIT	WL A -GMR		WL B- Newton W.	WL C - Newton E.	
				1	2	1	1	TOTAL
		SUMMARY OF WATER LINE QUANTITIES						
176	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	SY	167	170	50	305	692
177	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	CY	455	509	-	214	654
178	COT 303	AGGREGATE BASE TYPE A	CY	25	-	83	54	178
179	COT 304	CONSTRUCITON STAKING	EA					1
180	COT 307(A)	6" DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	LF	-	-	150	-	150
181	COT 307(A)	10" DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	LF	500	510	-	-	1,010
182	COT 307(A)	12" DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	LF	-	-	-	305	305
183	COT 312(A)	6" 22.5° D.I. BEND (RJ)	EA	-	-	2	-	2
184	COT 312(A)	10" 45° D.I. BEND (RJ)	EA	4	2	-	-	6
185	COT 312(A)	12" 22.5° D.I. BEND (RJ)	EA	-	-	-	2	2
186	COT 312(A)	12" 45° D.I. BEND (RJ)	EA				2	2
187	COT 312(B)	6"x6" D.I. TEE (RJ)	EA	-	1	-	-	1
188	COT 312(B)	10"x6" D.I. TEE (RJ)	EA	-	1	-	-	1
189	COT 312(B)	12"x6" D.I. TEE (RJ)	EA	1	-	-	-	1
190	COT 312(C)	6" D.I. PLUG (RJ)	EA	-	-	1	-	1
191	COT 312(C)	10" D.I. PLUG (RJ)	EA	1	1	-	-	2
192	COT 312(C)	12" D.I. PLUG (RJ)	EA				1	1
193	COT 312(D)	12"X10" D.I. REDUCER (RJ)	EA	1	-	-	-	1
194	COT 312(E)	6" D.I. SLEEVE (RJ)	EA	-	-	1	-	1
195	COT 312(E)	10" D.I. SLEEVE (RJ)	EA	-	1			1
196	COT 312(E)	12" D.I. SLEEVE (RJ)	EA				1	1
197	COT 317	6" GATE VALVE (RJ)	EA	-	1	2	-	3
198	COT 317	10" GATE VALVE (RJ)	EA	1	1	-	-	2
199	COT 317	12" GATE VALVE (RJ)	EA	-	-	-	1	1
200	COT 317(A)	2" AIR RELIEF VALVE & VAULT	EA	1	-	-	-	1
201	COT 317(B)	3-WAY FIRE HYDRANT, IN PLACE	EA	-	-	1	-	1
202	COT 317(D)	12" FIRE HYDRANT EXTENSION	EA	-	-	-	-	1
203	COT 318(A)	VALVE BOX	EA	1	2	2	1	6
204	COT 318(B)	VALVE BOX EXTENSION	VF	1	2	-	1	4
205	COT 325	SODDING AND SEEDING	SY	152	170	-	71	393
206	COT 326	STREET WASH DOWN	LF	-	-	-	-	6,800
207	COT 329	REMOVE AND REPLACE PAVEMENT (8" APC)	SY	-	-	-	19	19
208	COT 333(A)	ABANDON 6" WATERLINE	LF	-	-	165	-	165
209	COT 333(B)	ABANDON 10" WATERLINE	LF	485	500	-	-	985
210	COT 333(C)	ABANDON 12" WATERLINE	LF	-	-	-	252	252
211	COT 334	CONSTRUCTION AS-BUILT	EA	1				1
212	612(G)	FIRE HYDRANT RELOCATION	EA	-	-	-	-	2
213	SPECIAL	OWNER ALLOWANCE	ALLOW	10,000	-	-	-	10,000

SUMMARY OF VALVES & HYDRANTS

WATERLINE	STATION	NORTHING	EASTING	TYPE	QTY.	OFFSET	ELEV.
A	20+90.00	432940..9692	2552942.8502	10" GATE VALVE	1	26.0' RT	
A	23+90.00	433242.0860	2553086.0521	2" AIR RELIEF VALVE	1	26.0' RT	
A	29+80.72	433876.4018	2552924.9522	6" GATE VALVE	1	22.5' RT	820.75
A	29+85.00	433879.8865	2552928.0633	10" GATE VALVE	1	24.5' RT	820.66
B	48+45	432895.8103	2552939.3315	6" GATE VALVE	1	6.7' RT	821.25
C	60+30.00	432886.3287	2552954.2894	12" GATE VALVE	1	16.0' RT	819.50

RESTRAINED JOINT LENGTH CALCULATIONS

FITTING TYPE	LINE SIZE	RESTRAINED LENGTH*
VALVE	6"	63 FT
	8"	82 FT
	10"	100 FT
	12"	117 FT
45° HORIZ.	6"	6 FT
	8"	8 FT
	10"	9 FT
	12"	11 FT
22.5° HORIZ.	6"	3 FT
	10"	4 FT
	12"	5 FT
11.25° HORIZ.	6"	2 FT
	10"	2 FT
	12"	3 FT
45° VERT.	6"	7 FT
	8"	9 FT
	10"	11 FT
	12"	13 FT
22.5° VERT.	10"	6 FT
	12"	6 FT
REDUCER	2" TO 6"	45 FT
	10" TO 12"	35 FT
TEE (BRANCH)	6" X 12"	40 FT

*RESTRAINED JOINT LENGTH SHOWN FOR EACH DIRECTION FROM FITTING.

REGISTERED PROFESSIONAL ENGINEER
GREGORY JAMES COKER
16840
OKLAHOMA
6-19-25

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CALL OKIE

TMUA-W 22-37

SUMMARY SHEETS (WATERLINE)

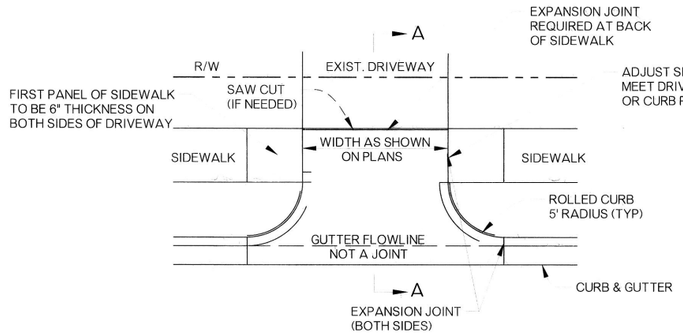
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

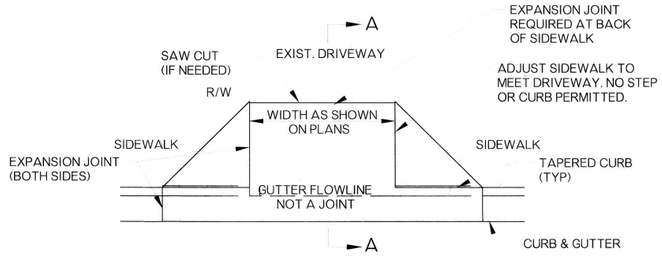
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

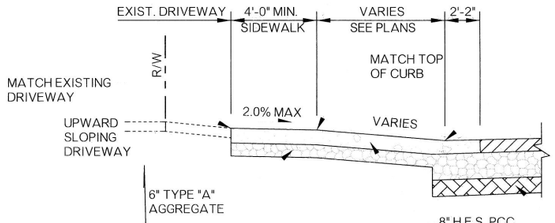
PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = NA	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	GS	6/25	
HORIZONTAL: 1" = NA	LEAD ENGR.	GEW	6/25	
	FIELD MGR.	RBM	6/25	
VERTICAL: 1" = NA	RECOMMENDED:	GJP	7/25	
	DESIGN MANAGER	TDZ		CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-SUMMARY OF WATERLINES			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 17 OF 268 SHEETS



PLAN VIEW
N.T.S.



PLAN VIEW
N.T.S.



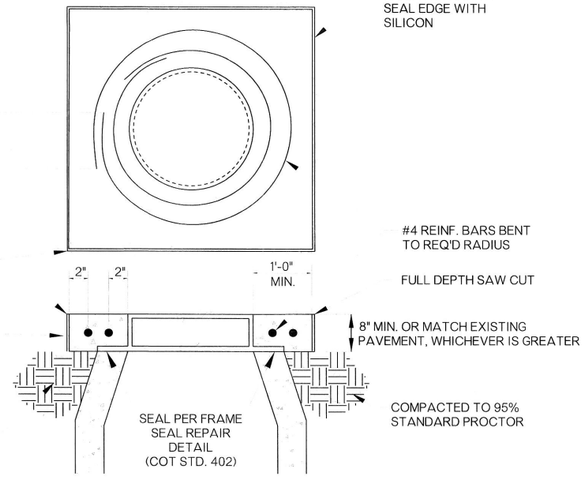
SECTION A-A

DRIVEWAY DETAIL

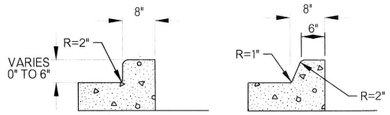
CONCRETE DRIVEWAY WITH PCC STREET AND SIDEWALK
N.T.S.

GUTTER FLOWLINE NOT A JOINT

8" SUBGRADE METHOD "B" COMPACTED TO 95% STANDARD PROCTOR

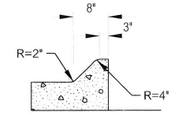


MANHOLE TO GRADE
N.T.S.

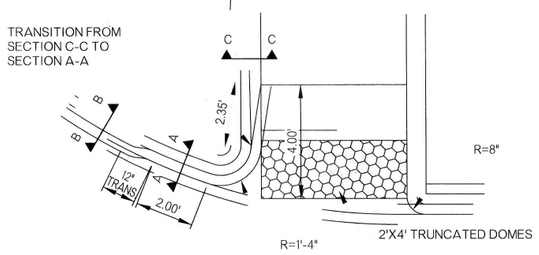


C - C
RAMP CURB
N.T.S.

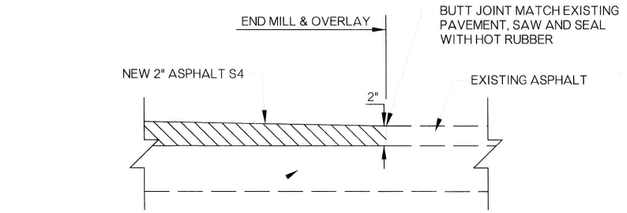
B - B
6" STD. CURB
N.T.S.



A - A
6" BULL NOSE CURB
N.T.S.



CURB RAMP MODIFICATION DETAIL
N.T.S.



DETAIL OF BUTT JOINT FOR OVERLAYS
N.T.S.



6/20/2025



DETAIL SHEET (1)

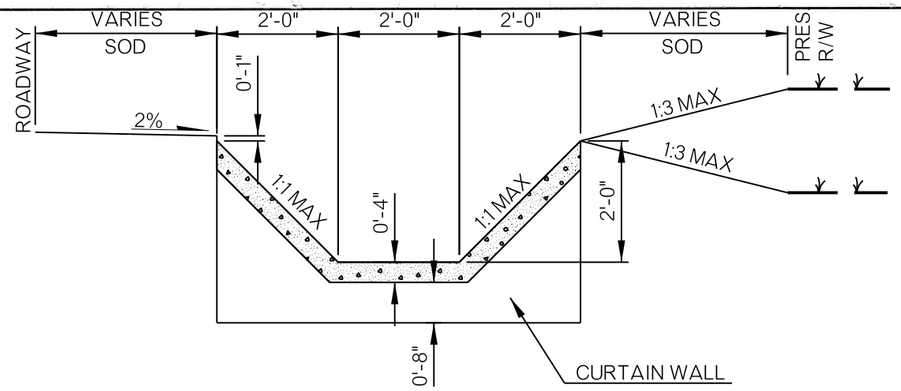
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

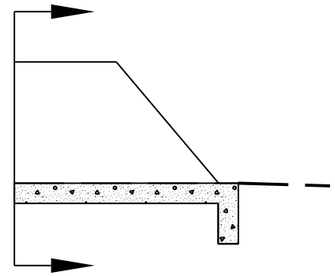
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
	LEAD ENGR.			
HORIZONTAL: 1" = N/A	FIELD MGR.			
	RECOMMENDED:			
VERTICAL 1" = N/A	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:21-1009-Details			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 18 OF 268 SHEETS



SPECIAL DITCH
SECTION A - A



SPECIAL DITCH
DETAIL

JARED T. BATES
20681
LICENSED PROFESSIONAL ENGINEER
OKLAHOMA
6/20/2025

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DETAIL SHEET (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

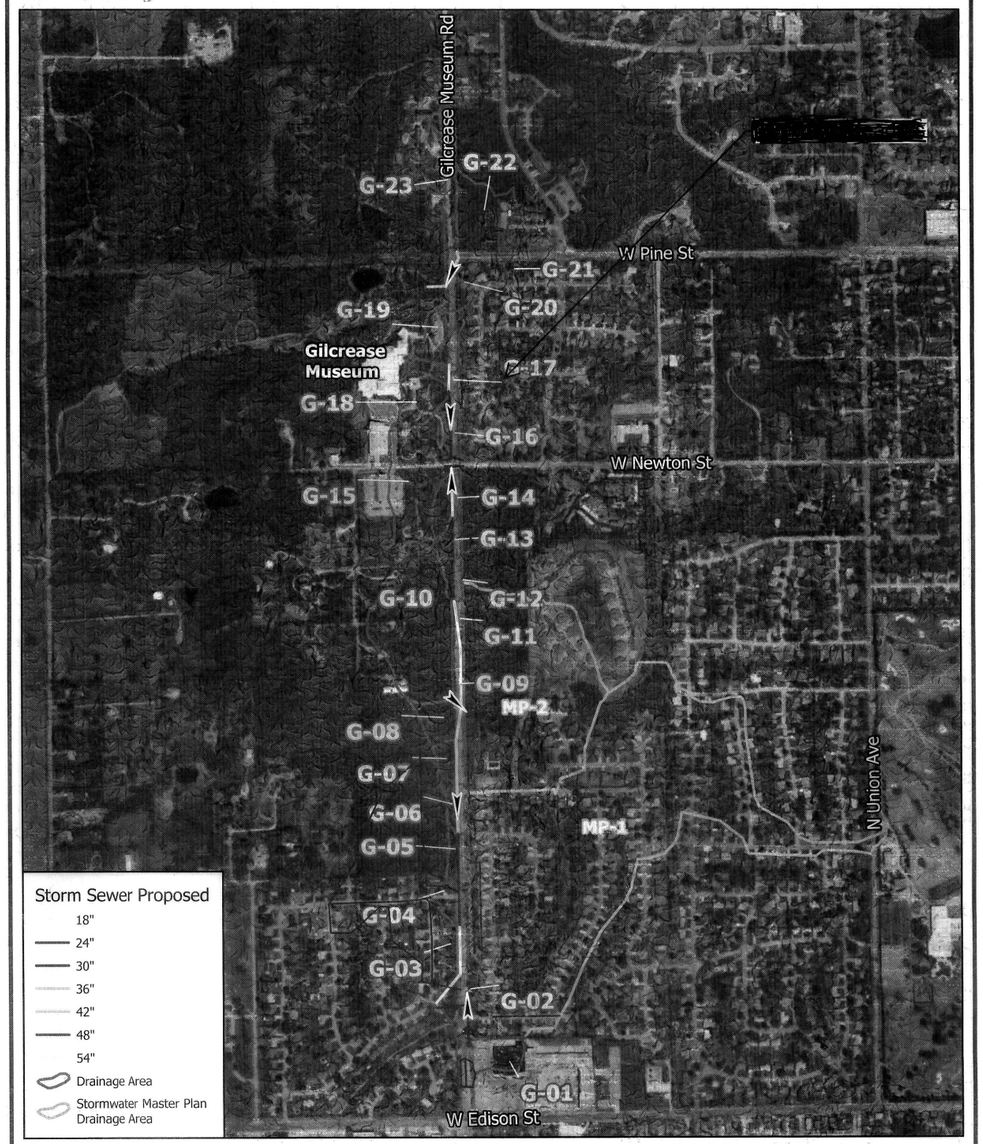
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE 06/2023	APPROVED:
1" = N/A	DESIGNED	POE 06/2023	
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	TMD 6/25	
HORIZONTAL:	LEAD ENGR.		
1" = N/A	FIELD MGR.	BW 6/25	
VERTICAL	RECOMMENDED:	HAS 7.25	
1" = N/A	DESIGN MANAGER	TMD	CITY ENGINEER
FILE: H:\21-1009	DRAWING:21-1009-Details		DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET 19 OF 268 SHEETS

Gilcrease Museum Road



Drainage Area Map

MESHEK & ASSOCIATES, LLC
1437 S Boulder Ave - Suite 1550
Tulsa, OK 74119 - (918) 392-5620

Date: 3/2/2022

Figure 1-1

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER BENJAMIN W. FLETCHER 24921 OKLAHOMA
06/24/2025

DRAINAGE AREA MAP

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A
FILE: H:\21-1009
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

DRAWN 06/2023
DESIGNED 06/2023
SURVEY
PROJ. MGR. PDH 6/25
LEAD ENGR.
FIELD MGR. BCH 6/25
RECOMMENDED: TGP 7/25
DESIGN MANAGER
CITY ENGINEER
DRAWING:21-1009-DRM
DATE: 7/3/2025
SHEET 20 OF 268 SHEETS

APPROVED:

SUMMARY OF HYDROLOGIC DATA AND RUNOFF CALCULATIONS

D.A. NO.	AREA	INTENSITY						FACTORED RUNOFF COEFF.	DESIGN YEAR RUNOFF						Overland Flow (In the top 150 feet)				Shallow Concentrated Flow (In Excess of 150 feet)				OPEN CHANNEL FLOW				CLOSED STORM SEWER			TOTAL TIME OF CONCENTRATION
	A	I_2	I_5	I_{10}	I_{25}	I_{50}	I_{100}	C	Q_2	Q_5	Q_{10}	Q_{25}	Q_{50}	Q_{100}	FLOWPATH LENGTH	AVG SLOPE	VELOCITY	T_{i1}	FLOWPATH LENGTH	AVG SLOPE	VELOCITY	T_{t1}	FLOWPATH LENGTH	AVG SLOPE	VELOCITY	T_{t2}	FLOWPATH LENGTH	VELOCITY	T_{t3}	$T_c=T_i+T_t$
	ACRES	IN/HR							CFS						LF	%	FPS	MIN	LF	%	FPS	MIN	LF	%	FPS	MIN	LF	FPS	MIN	MIN
G-01	2.14	5.72	6.56	7.93	9.31	10.05	11.38	0.80	9.756	11.191	13.540	15.895	17.152	19.417	177.9	0.28%	1.08	2.75	245.4	3.06%	3.55	1.2	0.0	0.00%	0.00	0.0	50.0	8.0	0.1	4.01
G-02	2.73	6.21	7.06	8.52	10.00	10.69	12.10	0.70	11.961	13.587	16.404	19.257	20.569	23.286	138.3	6.15%	4.00	0.58	237.6	0.92%	1.95	2.0	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	2.60
G-03	1.40	6.45	7.30	8.80	10.33	10.98	12.43	0.72	6.461	7.306	8.811	10.343	10.994	12.446	105.8	3.78%	3.14	0.56	325.9	3.38%	3.73	1.5	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	2.02
G-04	1.20	6.43	7.27	8.77	10.30	10.95	12.40	0.74	5.732	6.484	7.821	9.181	9.763	11.053	75.2	6.65%	4.16	0.30	347.0	2.59%	3.27	1.8	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	2.07
G-05	1.08	6.56	7.40	8.92	10.47	11.11	12.57	0.72	5.077	5.729	6.907	8.108	8.600	9.736	109.8	7.28%	4.35	0.42	337.3	4.15%	4.14	1.4	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	1.78
G-06	1.05	6.83	7.67	9.23	10.83	11.43	12.94	0.69	4.960	5.569	6.704	7.870	8.302	9.398	145.3	28.90%	8.67	0.28	316.8	8.21%	5.82	0.9	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	1.19
G-07	1.05	6.87	7.71	9.28	10.89	11.48	13.00	0.65	4.650	5.216	6.278	7.370	7.768	8.793	75.0	16.00%	6.45	0.19	330.5	9.08%	6.12	0.9	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	1.09
G-08	1.63	6.77	7.61	9.16	10.75	11.36	12.86	0.57	6.302	7.084	8.530	10.014	10.576	11.973	104.5	16.27%	6.51	0.27	395.4	9.61%	6.30	1.0	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	1.31
G-09	0.62	6.82	7.66	9.22	10.82	11.42	12.93	0.84	3.528	3.961	4.769	5.599	5.907	6.687	0.0	0.00%	0.00	0.00	378.1	6.61%	5.23	1.2	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	1.21
G-10	10.92	6.92	7.75	9.33	10.95	11.53	13.06	0.46	34.621	38.804	46.694	54.815	57.718	65.341	104.0	1.44%	1.94	0.89	0.0	0.00%	0.00	0.0	167.0	49.72%	25.85	0.1	0.0	0.0	0.0	1.00
G-11	0.50	7.00	7.84	9.43	11.07	11.63	13.17	0.83	2.881	3.224	3.878	4.553	4.785	5.417	0.0	0.00%	0.00	0.00	295.1	8.47%	5.92	0.8	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	0.83
G-12	0.71	6.33	7.17	8.66	10.16	10.83	12.26	0.71	3.202	3.629	4.380	5.141	5.479	6.202	92.5	24.86%	8.05	0.19	272.1	1.10%	2.13	2.1	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	2.32
G-13	0.82	6.73	7.57	9.11	10.70	11.31	12.80	0.68	3.790	4.263	5.135	6.028	6.372	7.213	97.8	23.52%	7.83	0.21	276.5	3.62%	3.87	1.2	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	1.40
G-14	1.27	6.70	7.54	9.08	10.66	11.27	12.76	0.62	5.245	5.903	7.112	8.348	8.830	9.996	117.6	5.10%	3.64	0.54	374.7	10.94%	6.72	0.9	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	1.47
G-15	5.89	5.82	6.66	8.06	9.46	10.18	11.53	0.53	18.327	20.980	25.373	29.786	32.074	36.310	191.8	1.56%	2.02	1.58	642.6	6.22%	5.07	2.1	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	3.70
G-16	0.60	6.77	7.61	9.16	10.76	11.36	12.86	0.76	3.096	3.480	4.191	4.920	5.196	5.882	52.7	5.69%	3.85	0.23	289.4	4.84%	4.47	1.1	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	1.31
G-17	1.07	6.29	7.13	8.61	10.10	10.78	12.20	0.58	3.884	4.406	5.318	6.243	6.658	7.537	143.8	6.61%	4.15	0.58	357.1	2.52%	3.23	1.8	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	2.42
G-18	1.90	6.82	7.66	9.22	10.82	11.42	12.93	0.40	5.185	5.822	7.009	8.228	8.681	9.828	0.0	0.00%	0.00	0.00	410.3	7.80%	5.68	1.2	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	1.20
G-19	2.07	6.09	6.93	8.37	9.83	10.53	11.92	0.55	6.879	7.833	9.463	11.108	11.896	13.467	0.0	0.00%	0.00	0.00	589.8	2.71%	3.35	2.9	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	2.94
G-20	2.22	6.62	7.46	8.99	10.55	11.18	12.66	0.71	10.370	11.689	14.087	16.537	17.519	19.833	83.2	4.81%	3.54	0.39	340.2	5.00%	4.54	1.2	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	1.64
G-21	0.66	6.21	7.05	8.51	9.99	10.68	12.09	0.74	3.046	3.461	4.179	4.906	5.241	5.933	103.3	0.97%	1.59	1.08	406.6	4.67%	4.39	1.5	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	2.63
G-22	3.85	6.17	7.02	8.48	9.95	10.64	12.04	0.51	12.041	13.689	16.530	19.405	20.744	23.483	157.5	4.45%	3.40	0.77	518.4	4.82%	4.46	1.9	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	2.71
G-23	1.56	6.36	7.20	8.69	10.20	10.86	12.30	0.64	6.287	7.122	8.593	10.087	10.743	12.162	0.0	0.00%	0.00	0.00	640.0	5.47%	4.75	2.2	0.0	0.00%	0.00	0.0	0.0	0.0	0.0	2.24

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER BENJAMIN W. FLETCHER 24921 OKLAHOMA

06/24/2025

REVISION	BY	DATE

DRAINAGE AREA SUMMARY

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN 06/2023 APPROVED:
DESIGNED 06/2023
SURVEY
PROJ. MGR. PDH 6/25
LEAD ENGR.
FIELD MGR.
RECOMMENDED: 6/25
DESIGN MANAGER
CITY ENGINEER

FILE: H:\21-1009
DRAWING:21-1009-DRM
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET 21 OF 268 SHEETS

SUMMARY OF DRAINAGE STRUCTURES

Structure Up. No.	Structure Down. No.	CRL ALIGNMENT NAME	UPSTREAM CRL STATION	Description	Design	Top of Cover/Grate Elev.	Flow Line Elevation	Excavation & Bedding				Handrailing	Concrete		Reinf. Steel	MANHOLES				Manhole Frame & Grate	ADD'L DEPTH IN MANHOLES				INLETS												ADD'L DEPTH IN INLET				REINFORCED CONCRETE PIPE (ROUND)	CORRUGATED POLYPROPYLENE PIPE (ROUND)							Prefab. Culvert End Section, Round		Removal of Structures & Obstructions
								*Std. Bedding Mat'l	*Trench Excav.	Uncl. Excav.	Struct. Excav. Uncl.		Class AA Conc. RCB	Class C Conc.	RCB	4' ID	5' ID	6' ID	8' ID		4' ID	5' ID	6' ID	8' ID	RCI W/ AMH	CICI			CICI W/ AMH	*CICI Inlet Frame & Grate	SMD		CDI		TYPE 1 GP	ADD'L DEPTH IN INLET				REINFORCED CONCRETE PIPE (ROUND)	CORRUGATED POLYPROPYLENE PIPE (ROUND)							Prefab. Culvert End Section, Round		Removal of Structures & Obstructions
																														TYPE 1	TYPE 2A	TYPE 2B	42" DES. NO. 5	48" DES. NO. 6	DES. NO. 1	RCI W/ AMH	CICI			CICI W/AMH	CLASS III	18"	24"	30"	36"	42"	48"	60"	18"	36"	
										CY					LBS	EA				EA					611(B)																											
																									VF																										
EX Pipe 1	ST50	0	0	CONST. 4.9 LF OF 24" CPP	COT-753, COT-769A	—	0.00	1.89	1.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX CUL	MH8	0	0	CONST. 0 W/ 10.6 LF OF 36" CPP 0	COT-753, COT-769A	—	0.00	7.96	11.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPH1	MH36	0	182+00.88	CONST. INLET GPI TYPE 1 (DES. 1) W/ 70.1 LF OF 18" CPP 25.30' R	COT-753, COT-769A	829.73	823.74	19.21	63.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00
HW1	0	0	168+20.89	CONST. 36 " PCES, ROUND 195.61' R	COT-753, COT-769A	796.33	793.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HW2	0	0	167+62.06	CONST. 42" PCES, ROUND 71.02' R	COT-753, COT-769A	805.88	802.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00
HW4	0	0	152+20.35	CONST. 36" PCES, ROUND 55.40' L	COT-753, COT-769A	877.17	693.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JB4	EX Pipe 2	0	133+33.55	CONST. JUNCTION BOX W/ 93.4 LF OF 12' X 5' RCB 31.94' L	COT-751, COT-769A	702.64	694.57	-	-	342.57	55.83	-	139.17	-	26,731.08	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JB5	JB4	0	134+08.20	CONST. JUNCTION BOX W/ 73.2 LF OF 12' X 5' RCB 31.95' L	COT-751, COT-769A	703.12	694.94	-	-	430.61	43.75	-	109.07	-	20,949.84	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JB6	JB5	0	135+52.24	CONST. JUNCTION BOX W/ 145.5 LF OF 12' X 5' RCB 31.97' L	COT-751, COT-769A	706.13	696.30	-	-	869.34	86.97	-	216.80	-	41,642.10	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JB101	JB6	0	136+80.64	CONST. JUNCTION BOX W/ 128.5 LF OF 6' X 5' RCB 36.02' L	COT-751, COT-769A	708.98	696.94	-	-	635.28	28.42	-	82.24	-	11,230.90	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JB102	JB5	0	134+06.77	CONST. JUNCTION BOX W/ 80.2 LF OF 6' X 4' RCB 49.94' R	COT-753, COT-769A	702.30	696.17	-	-	269.78	17.74	-	47.32	-	6,680.66	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH1	MH2	0	129+57.08	CONST. 4' I.D. MANHOLE W/ 154.1 LF OF 18" CPP 0.01' L	COT-751, COT-769A	711.46	700.35	42.22	147.41	-	-	-	-	-	-	1.00	-	-	-	1.00	6.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH2	MH3	0	131+11.21	CONST. 5' I.D. MANHOLE W/ 78.5 LF OF 24" CPP 0.00'	COT-751, COT-769A	707.17	697.57	30.30	84.67	-	-	-	-	1.00	-	-	-	-	-	1.00	-	4.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH3	HW4	0	131+89.75	CONST. 5' I.D. MANHOLE W/ 62.6 LF OF 36" CPP 0.00'	COT-751, COT-769A	704.90	694.18	47.01	114.25	-	-	-	-	1.00	-	-	-	-	-	1.00	-	5.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH4	HW1	0	168+23.54	CONST. 6' I.D. MANHOLE W/ 195.6 LF OF 36" CPP 0.05' R	COT-751, COT-769A	811.82	796.91	146.90	295.25	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	9.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH5	MH17	0	150+68.16	CONST. 4' I.D. MANHOLE W/ 14.9 LF OF 18" CPP 58.07' L	COT-751, COT-769A	782.97	771.96	4.08	10.24	-	-	-	-	-	-	1.00	-	-	-	1.00	6.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH7	JB101	0	138+26.31	CONST. 8' I.D. MANHOLE W/ 145.7 LF OF 60" CPP 36.02' L	COT-751, COT-769A	712.58	702.67	223.21	397.01	-	-	-	-	-	-	-	-	1.00	-	1.00	-	-	4.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH8	MH7	0	140+17.27	CONST. 8' I.D. MANHOLE W/ 191 LF OF 60" CPP 36.04' L	COT-751, COT-769A	720.06	708.53	292.61	696.15	-	-	-	-	-	-	-	-	1.00	-	1.00	-	-	6.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH11	MH8	0	140+65.41	CONST. 8' I.D. MANHOLE W/ 48.1 LF OF 60" CPP 36.04' L	COT-753, COT-769A	721.52	709.60	73.69	172.99	-	-	-	-	-	-	-	-	1.00	-	1.00	-	-	6.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH11A	MH11	0	141+78.55	CONST. 8' I.D. MANHOLE W/ 113.1 LF OF 54" RCP 36.09' L	COT-751, COT-769A	725.75	711.74	127.35	420.80	-	-	-	-	-	-	-	-	1.00	-	1.00	-	-	9.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH11B	MH11A	0	141+78.54	CONST. 8' I.D. MANHOLE W/ 207.7 LF OF 48" CPP 56.83' L	COT-751, COT-769A	726.74	716.35	20.62	33.79	-	-	-	-	-	-	-	-	1.00	-	1.00	-	-	5.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH13	MH17	0	144+41.31	CONST. 6' I.D. MANHOLE W/ 88 LF OF 48" CPP 36.09' L	COT-751, COT-769A	741.14	726.43	87.65	261.60	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	9.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH14	MH38	0	145+99.51	CONST. 6' I.D. MANHOLE W/ 79.1 LF OF 48" CPP 36.06' L	COT-751, COT-769A	753.18	742.68	78.78	134.76	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	5.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH15	MH39	0	147+36.13	CONST. 6' I.D. MANHOLE W/ 92.8 LF OF 48" CPP 36.06' L	COT-751, COT-769A	762.03	750.97	92.43	333.25	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	6.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH16	MH40	0	148+79.46	CONST. 6' I.D. MANHOLE W/ 62.9 LF OF 48" CPP 36.08' L	COT-751, COT-769A	769.28	759.75	62.65	311.14	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	4.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH17	MH16	0	150+68.93	CONST. 6' I.D. MANHOLE W/ 191.5 LF OF 48" CPP 42.96' L	COT-751, COT-769A	777.93	761.06	190.73	1,080.97	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	11.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH18	MH17	0	153+70.65	CONST. 6' I.D. MANHOLE W/ 100 LF OF 48" CPP 33.51' L	COT-751, COT-769A	775.98	766.53	99.60	319.63	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	4.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH19	MH54	0	153+02.05	CONST. 8' I.D. MANHOLE W/ 89 LF OF 48" CPP 33.02' L	COT-753, COT-769A	778.50	769.00	88.64	180.78	-	-	-	-	-	-	-	-	-	-	1.00	-	-	4.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH20	MH19	0	154+35.01	CONST. 5' I.D. MANHOLE W/ 133 LF OF 30" CPP 33.11' L	COT-751, COT-769A	788.98	780.16	63.04	132.08	-	-	-	-	1.00	-	-	-	-	-	1.00	-	3.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH21	MH20	0	155+25.09	CONST. 6' I.D. MANHOLE W/ 95.8 LF OF 36" CPP 0.58' L	COT-751, COT-769A	796.03	788.23	45.41	207.87	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	2.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH22	MH21	0	156+62.51	CONST. 4' I.D. MANHOLE W/ 137.4 LF OF 18" CPP 0.23' R	COT-751, COT-769A	808.71	795.00	37.65	355.23	-	-	-	-	-	-	1.00	-	-	-	1.00	8.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH23	MH22	0	157+58.50	CONST. 5' I.D. MANHOLE W/ 96 LF OF 18" CPP 0.79' R	COT-751, COT-769A	817.86	807.00	26.80	265.65	-	-	-	-	-	1.00	-	-	-	-	1.00	-	5.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH24	MH23	0	158+42.85	CONST. 4' I.D. MANHOLE W/ 84.4 LF OF 18" CPP 0.83' R	COT-751, COT-769A	825.86	815.73	23.13	224.80	-	-	-	-	-	-	1.00	-	-	-	1.00	5.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH25	MH24	0	159+50.18	CONST. 5' I.D. MANHOLE W/ 107.3 LF OF 18" CPP 0.23' R	COT-751, COT-769A	833.83	823.73	29.40	265.65	-	-	-	-	-	1.00	-	-	-	-	1.00	-	5.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH26	MH27	0	164+50.57	CONST. 4' I.D. MANHOLE W/ 182.1 LF OF 18" CPP 0.17' R	COT-751, COT-769A	825.58	817.99	49.36	285.53	-	-	-	-	1.00	-	-	-	-	-	1.00	2.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH27	MH28	0	166+32.68	CONST. 4' I.D. MANHOLE W/ 112.6 LF OF 18" CPP 0.01' R	COT-751, COT-769A	814.35	809.21	30.85	83.81	-	-	-	-	1.00	-	-	-	-	-	1.00	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH28	ST38	0	167+45.30	CONST. 6' I.D. MANHOLE W/ 15.7 LF OF 42" CPP 0.01' L	COT-751, COT-769A	809.95	802.44	13.66	23.54	-	-	-	-	-	-	-	-	1.00	-	1.00	-	-	2.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH29	MH4	0	168+75.35	CONST. 6' I.D. MANHOLE W/ 51.3 LF OF 36" CPP 0.00' L	COT-751, COT-769A	813.79	805.33	38.51	72.79	-	-	-	-	-	-	-	-	1.00	-	1.00	-	-	3.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH30	MH42	0	171+95.52	CONST. 6' I.D. MANHOLE W/ 88.4 LF OF 36" CPP 0.00' L	COT-751, COT-769A	821.12	813.79	66.39	144.25	-	-	-	-	-	-	-	-	1.00	-	1.00	-	-	2.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH31	MH30	0	173+59.43	CONST. 6' I.D. MANHOLE W/ 163.9 LF OF 36" CPP 0.01' R	COT-751, COT-769A	820.00	814.61	123.09	236.23	-	-	-	-	-	-	-	-	1.00	-	1.00	-	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH32	MH43	0	176+50.97	CONST. 5' I.D. MANHOLE W/ 133.1 LF OF 36" CPP 0.03' L	COT-751, COT-769A	823.00	816.07	99.96	216.75	-	-	-	-	1.00	-	-	-	-	-	1.00	-	1.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH33	MH34	0	178+06.98	CONST. 5' I.D. MANHOLE W/ 130.4 LF OF 24" CPP 0.00'	COT-751, COT-769A	824.42	818.05	50.33	126.14	-	-	-	-	1.00	-	-	-	-	-	1.00	-	1.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH34	MH49	0	179+37.36	CONST. 6' I.D. MANHOLE W/ 51.8 LF OF 30" CPP 0.00'	COT-753, COT-769A	823.29	814.32	24.55	73.07	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	3.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH35	MH49	0	181+31.37	CONST. 6' I.D. MANHOLE W/ 137.8 LF OF 30" CPP 0.00'	COT-751, COT-769A	828.92	818.30	65.32	184.20	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	5.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH36	MH35	0	181+31.32	CONST. 6' I.D. MANHOLE W/ 22.3 LF OF 18" CPP 22.33' R	COT-751, COT-769A	828.54	819.69	6.11	15.46	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	3.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH37	MH52	0	143+53.28	CONST. 6' I.D. MANHOLE W/ 88 LF OF 48" CPP 36.07' L	COT-751, COT-769A	734.64	724.01	87.65	214.52	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	5.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH38	MH13	0	145+20.41	CONST. 6' I.D. MANHOLE W/ 79.1 LF OF 48" CPP 36.07' L	COT-751, COT-769A	747.22	736.71	78.78	139.39	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	5.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH39	MH14	0	146+43.28	CONST. 6' I.D. MANHOLE W/ 43.8 LF OF 48" CPP 36.05' L	COT-751, COT-769A	757.54	747.34	43.62	79.13	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	5.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH40	MH15	0	148+16.58	CONST. 6' I.D. MANHOLE W/ 80.5 LF OF 48" CPP 36.06' L	COT-751, COT-769A	766.36	755.46	80.18	403.40	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	5.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH42	MH29	0	171+07.10	CONST. 5' I.D. MANHOLE W/ 231.8 LF OF 36" CPP 0.00'	COT-751, COT-769A	821.13	810.26	174.08	478.02	-	-	-	-	-	-	-	-	1.00	-	1.00	-	6.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH43	MH31	0	175+17.87	CONST. 6' I.D. MANHOLE W/ 158.4 LF OF 36" CPP 0.01' L	COT-751, COT-769A	821.44	815.41	118.96	224.44	-	-	-	-	-	-	-	-	1.00	-	1.00	-	-	1.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH44	ST46	0	155+30.15	CONST. 4' I.D. MANHOLE W/ 18.2 LF OF 18" CPP 37.33' L	COT-751, COT-769A	798.93	791.55	4.99	28.83	-	-	-	-	-	-	1.00	-	-	-	1.00	2.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH49	MH51	0	179+91.42	CONST. 6' I.D. MANHOLE W/ 20.2 LF OF 30" CPP 0.00'	COT-751, COT-769A	823.76	814.24	9.57	18.79	-	-	-	-	-	-	-	-	1.00	-	1.00	-	6.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH50	MH35	0	181+90.61	CONST. 5' I.D. MANHOLE W/ 61.5 LF OF 18" CPP 17.09' L	COT-751, COT-769A	833.08	821.57	16.85	64.36	-	-	-	-	1.00	-	-	-	-	-	1.00	15.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH51	0	0	179+88.92	CONST. 4' I.D. MANHOLE 20.02' L	COT-751, COT-769A	824.05	803.45	-	-	-	-	-	-	-	-	1.00	-	-	-	1.00	-	-	6.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH52	MH11A	0	142+65.25	CONST. 6' I.D. MANHOLE W/ 86.7 LF OF 48" CPP 36.05' L	COT-751, COT-769A	729.47	717.86	86.35	248.00	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	5.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH63	ST39	0	167+45.57	CONST. 6' I.D. MANHOLE W/ 37.9 LF OF 36" CPP 53.55' L	COT-751, COT-769A	814.39	803.87	28.46	77.98	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH54-1	MH18	0		CONST. 42.6 LF OF 48" CPP	COT-753, COT-769A	—	0.00	42.43	92.09	-	-	-	-	-	-	-	-	-	-	-	-	-	4.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH54	ST54	0	152+13.02	CONST. 6' I.D. MANHOLE W/ 108.3 LF OF 18" CPP 32.62' L	COT-751, COT-769A	776.48	767.33	29.67	109.00	-	-	-	-	-	-	-	1.00	-	-	1.00	-	-	1.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH65	MH32	0	177+58.30	CONST. 6' I.D. MANHOLE W/ 107.3 LF OF 24" CPP 0.00' L	COT-751, COT-769A	824.13	817.79	41.42	102.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMD3	MH30	0	171+95.50	CONST. INLET (SMD-TYPE 2A) W/ 39.8 LF OF 30" CPP 39.77' L	COT-753, COT-769A	823.28	814.67	18.87	48.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMD4	MH32	0	176+51.23	CONST. INLET (SMD-TYPE 1) W/ 43.5 LF OF 18" CPP 44.25' R	COT-753, COT-769A	820.54	816.29	11.92	29.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMD5	ST30	0	179+37.46	CONST. INLET (SMD-TYPE 2A) W/ 28.5 LF OF 30" CPP 42.50' R	COT-753, COT-769A	823.65	817.03	13.51	32.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMD6	MH53	0	167+29.48	CONST. INLET GPI TYPE 2 (DES. 8) W/ 16.4 LF OF 24" CPP 59.91' L	COT-753, COT-769A	816.00	804.95	6.33	19.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMD7	MH36	0	181+30.85	CONST. INLET (SMD-TYPE 1) W/ 37.2 LF OF 18" CPP 59.57' R	COT-753, COT-769A	829.71	821.85	10.19	31.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMD8	MH43	0	175+18.05	CONST. INLET (SMD-TYPE 1) W/ 38.5 LF OF 18" CPP 39.84' L	COT-753, COT-769A	823.63	817.10	10.55	31.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMD9	MH44	0	155+53.19	CONST. INLET GPI TYPE 1 (DES. 1) W/ 23.1 LF OF 18" CPP 38.59' L	COT-753, COT-769A	807.65	793.45	6.33	29.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*For Information Only





06/24/2025

REVISION	BY	DATE

DRAINAGE SUMMARY (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A
PROFILE SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

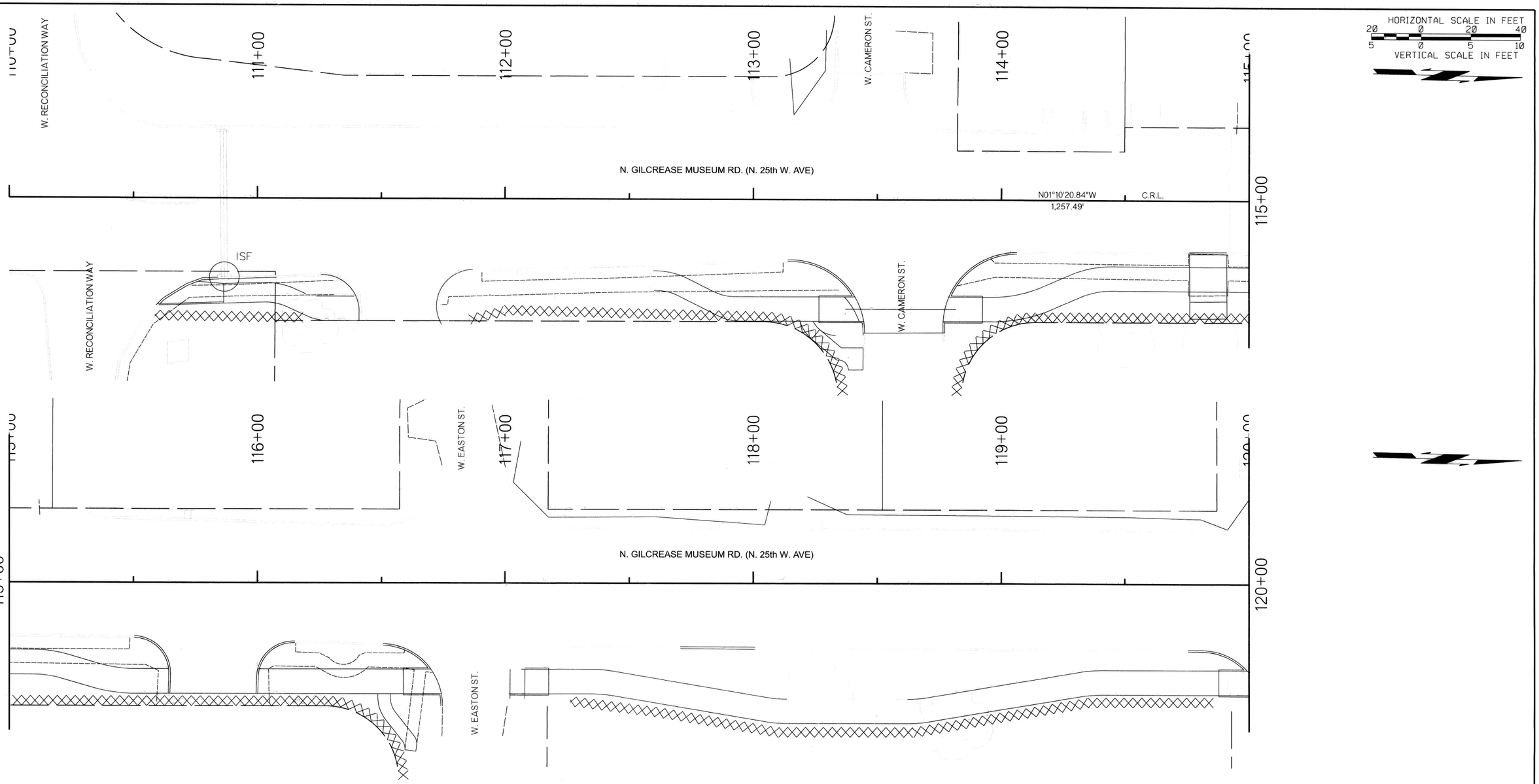
DRAWN 06/2023 APPROVED:
DESIGNED 06/2023
SURVEY
PROJ. MGR. PDH 6/25
LEAD ENGR.
FIELD MGR. RJW 6/25
RECOMMENDED:
DESIGN MANAGER CITY ENGINEER

FILE: H:\21-1009 DRAWING:21-1009-DRAINAGE SUMMARY DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET 22 OF 268 SHEETS

SUMMARY OF DRAINAGE STRUCTURES

Structure Up. No.	Structure Down. No.	CRL ALIGNMENT NAME	UPSTREAM CRL STATION	Description	Design	Top of Cover/Grate Elev.	Flow Line Elevation	Excavation & Bedding				Handrailing	Concrete		Reinf. Steel	MANHOLES				*Manhole Frame & Grate
								*Std. Bedding Mat'l	*Trench Excav.	Uncl. Excav.	Struct. Excav. Uncl.		Class AA Conc. RCB	Class C Conc.	RCB	4' ID	5' ID	6' ID	8' ID	
										202(A)	501(A)	504(F)	509(A)	509(D)	511(A)	611(A)				
								CY				LF	CY		LBS	EA				EA
SM010	ST23	0	168+77.97	CONST. INLET (SMD-TYPE 1) W/ 24.1 LF OF 18" CPP 39.84' L	COT-753, COT-769A	818.62	807.53	6.60	24.23	-	-		-	-	-	-	-	-	-	-
SM011	MH39	0	146+43.28	CONST. INLET (SMD-TYPE 1) W/ 12.9 LF OF 18" CPP 49.11' L	COT-753, COT-769A	758.58	749.90	3.53	7.81	-	-		-	-	-	-	-	-	-	-
SM012	MH5	0	150+49.73	CONST. INLET (SMD-TYPE 1) W/ 17.2 LF OF 18" CPP 57.17' L	COT-753, COT-769A	782.97	773.55	4.71	16.24	-	-		-	-	-	-	-	-	-	-
SM013	MH55	0	177+58.70	CONST. INLET (SMD-TYPE 1) W/ 37.7 LF OF 18" CPP 39.04' L	COT-753, COT-769A	826.64	819.98	10.33	24.19	-	-	1.00	-	1.00	-	-	-	-	-	-
ST01	MH2	0	131+11.21	CONST. RCI 1096 W/ 22.7 LF OF 18" CPP 22.74' R	COT-753, COT-769A	707.50	701.98	5.22	11.03	-	-		-	-	-	1.00	-	-	-	-
ST02	MH1	0	129+57.40	CONST. RCI 1096 W/ 24.7 LF OF 18" CPP 25.68' L	COT-753, COT-769A	711.37	701.98	6.77	20.02	-	-		-	-	-	1.00	-	-	-	-
ST03	ST04	0	123+32.74	CONST. RCI 1096 W/ 43.9 LF OF 24" CPP 22.84' R	COT-753, COT-769A	702.46	696.16	16.95	41.16	-	-		-	-	-	1.00	-	-	-	-
ST04	JB4	0	133+33.37	CONST. CI DES. 2(D) W/ 3.1 LF OF 24" CPP 21.13' L	COT-753, COT-769A	701.78	695.94	1.20	2.68	-	-		-	-	-	-	1.00	-	-	-
ST05	ST06	0	135+52.25	CONST. RCI 1096 W/ 43.8 LF OF 18" CPP 22.64' R	COT-753, COT-769A	705.94	699.47	12.00	31.85	-	-		-	-	-	1.00	-	-	-	-
ST06	JB6	0	133+52.20	CONST. CI DES. 4(D) W/ 2.8 LF OF 18" CPP 21.11' L	COT-753, COT-769A	705.27	699.24	0.77	2.07	-	-		-	-	-	-	-	1.00	-	-
ST07	ST08	0	138+25.60	CONST. RCI 1096 W/ 45.4 LF OF 18" CPP 22.65' R	COT-753, COT-769A	712.30	705.13	12.44	33.93	-	-		-	-	-	1.00	-	-	-	-
ST08	MH7	0	138+26.07	CONST. RCI 1096 W/ 13.3 LF OF 18" CPP 22.71' L	COT-753, COT-769A	712.31	705.90	3.64	3.40	-	-		-	-	-	1.00	-	-	-	-
ST09	ST10	0	140+64.84	CONST. RCI 1096 W/ 45.3 LF OF 18" CPP 22.63' R	COT-753, COT-769A	721.22	714.95	12.41	35.35	-	-		-	-	-	1.00	-	-	-	-
ST10	MH11	0	140+65.33	CONST. RCI 1096 W/ 13.3 LF OF 18" CPP 22.71' L	COT-753, COT-769A	721.23	714.72	3.64	5.74	-	-		-	-	-	1.00	-	-	-	-
ST11	ST12	0	144+40.94	CONST. RCI 1096 W/ 45.4 LF OF 18" CPP 22.64' R	COT-753, COT-769A	740.79	735.00	12.44	25.75	-	-		-	-	-	1.00	-	-	-	-
ST12	MH13	0	144+41.35	CONST. RCI 1096 W/ 13.4 LF OF 18" CPP 22.73' L	COT-753, COT-769A	740.83	734.77	3.67	4.20	-	-	1.00	-	1.00	-	1.00	-	-	-	-
ST12A	MH14	0	145+99.76	CONST. RCI 1096 W/ 13.1 LF OF 18" CPP 22.80' L	COT-753, COT-769A	752.80	746.74	3.56	4.45	-	-		-	-	-	1.00	-	-	-	-
ST13	ST14	0	147+35.18	CONST. CI DES. 2(A) W/ 43.7 LF OF 18" CPP 22.61' R	COT-753, COT-769A	761.68	757.76	11.97	36.63	-	-		-	-	-	-	1.00	-	-	-
ST14	MH15	0	147+35.86	CONST. RCI 1096 W/ 13.3 LF OF 18" CPP 22.73' L	COT-753, COT-769A	761.72	757.54	3.64	6.99	-	-		-	-	-	1.00	-	-	-	-
ST14A	MH16	0	148+79.46	CONST. RCI 1096 W/ 13.3 LF OF 18" CPP 22.74' L	COT-753, COT-769A	769.00	763.82	3.64	12.70	-	-		-	-	-	1.00	-	-	-	-
ST15	ST16	0	150+71.66	CONST. RCI 1096 W/ 31.7 LF OF 18" CPP 15.27' R	COT-753, COT-769A	775.20	770.09	8.69	22.14	-	-		-	-	-	1.00	-	-	-	-
ST16	MH17	0	150+70.32	CONST. RCI 1096 W/ 26.6 LF OF 18" CPP 16.37' L	COT-753, COT-769A	775.21	769.94	7.29	19.17	-	-		-	-	-	1.00	-	-	-	-
ST17	ST18	0	153+02.02	CONST. RCI 1096 W/ 31.4 LF OF 18" CPP **16.49' R**	COT-753, COT-769A	781.70	775.44	8.60	16.86	-	-		-	-	-	1.00	-	-	-	-
ST18	MH19	0	153+02.13	CONST. RCI 1096 W/ 16.1 LF OF 24" CPP 16.87' L	COT-753, COT-769A	781.70	773.08	6.21	9.53	-	-		-	-	-	1.00	-	-	-	-
ST20	MH25	0	159+50.27	CONST. RCI 1096 W/ 15.7 LF OF 18" CPP 15.89' R	COT-753, COT-769A	834.10	828.80	4.30	22.09	-	-		-	-	-	1.00	-	-	-	-
ST21	MH25	0	159+50.09	CONST. RCI 1096 W/ 15.7 LF OF 18" CPP 15.44' L	COT-753, COT-769A	834.06	828.80	4.30	22.91	-	-		-	-	-	1.00	-	-	-	-
ST23	MH29	0	168+75.32	CONST. RCI 1096 W/ 15.7 LF OF 18" CPP 15.68' L	COT-753, COT-769A	814.01	806.95	4.30	7.89	-	-		-	-	-	1.00	-	-	-	-
ST24	MH4	0	168+12.83	CONST. RCI 1096 W/ 53.6 LF OF 18" CPP 52.49' L	COT-753, COT-769A	813.26	805.27	14.69	42.22	-	-		-	-	-	1.00	-	-	-	-
ST25	MH31	0	173+59.43	CONST. RCI 1096 W/ 15.7 LF OF 30" CPP 15.66' R	COT-753, COT-769A	820.24	814.69	7.44	10.26	-	-		-	-	-	1.00	-	-	-	-
ST26	MH31	0	173+59.42	CONST. RCI 1048 W/ 15.8 LF OF 30" CPP 15.77' L	COT-753, COT-769A	820.24	814.69	7.49	11.03	-	-		-	-	-	1.00	-	-	-	-
ST27	MH33	0	178+06.98	CONST. RCI 1048 W/ 48.7 LF OF 24" CPP 48.72' L	COT-753, COT-769A	825.85	818.30	18.80	48.65	-	-		-	-	-	1.00	-	-	-	-
ST30	MH34	0	179+37.39	CONST. RCI 1096 W/ 14.1 LF OF 30" CPP 15.70' R	COT-753, COT-769A	823.50	816.89	6.64	12.23	-	-		-	-	-	-	-	-	-	-
ST31	MH34	0	179+37.33	CONST. RCI 1096 W/ 14 LF OF 30" CPP 15.66' L	COT-753, COT-769A	823.53	816.89	6.64	11.25	-	-		-	-	-	-	-	-	-	-
ST35	MH26	0	164+50.32	CONST. RCI 1096 W/ 15.7 LF OF 18" CPP 15.86' R	COT-753, COT-769A	825.84	821.34	4.30	23.56	-	-		-	-	-	-	-	-	-	-
ST36	MH26	0	164+51.17	CONST. RCI 1096 W/ 15.7 LF OF 18" CPP 15.49' L	COT-753, COT-769A	825.82	821.39	4.30	24.03	-	-		-	-	-	-	-	-	-	-
ST38	HW2	0	167+45.27	CONST. RCI 1096 W/ 57.8 LF OF 42" CPP 13.66' R	COT-753, COT-769A	810.18	802.56	50.29	61.83	-	-		-	-	-	-	-	-	-	-
ST39	MH28	0	167+45.34	CONST. RCI 1096 W/ 15.7 LF OF 36" CPP 15.67' L	COT-753, COT-769A	810.21	802.99	11.79	20.37	-	-		-	-	-	-	-	-	-	-
ST40	MH29	0	168+75.34	CONST. RCI 1096 W/ 15.6 LF OF 36" CPP 15.64' R	COT-753, COT-769A	814.02	805.41	11.72	16.30	-	-		-	-	-	-	-	-	-	-
ST42	MH50	0	182+16.93	CONST. INLET (SMD-TYPE 1) W/ 26.3 LF OF 18" CPP 16.57' L	COT-753, COT-769A	835.14	823.26	7.21	35.98	-	-		-	-	-	-	-	-	-	-
ST43	MH1	0	129+56.87	CONST. RCI 1096 W/ 22.3 LF OF 18" CPP 23.95' R	COT-753, COT-769A	711.89	701.97	6.11	19.66	-	-		-	-	-	-	-	-	-	-
ST44	MH53	0	167+84.59	CONST. INLET (SMD-TYPE 2B) W/ 39.1' OF 36" CPP 53.10' L	COT-753, COT-769A	812.20	804.06	29.29	84.67	-	-		-	-	-	-	-	-	-	-
ST45	MH21	0	155+24.99	CONST. RCI 1096 W/ 15.7 LF OF 18" CPP 15.08' R	COT-753, COT-769A	796.24	790.81	4.30	18.45	-	-		-	-	-	1.00	-	-	-	-
ST46	MH21	0	155+25.16	CONST. RCI 1096 W/ 15.7 LF OF 18" CPP 16.25' L	COT-753, COT-769A	796.27	790.81	4.30	19.68	-	-		-	-	-	1.00	-	-	-	-
ST47	MH23	0	157+58.32	CONST. RCI 1096 W/ 15.7 LF OF 18" CPP 16.46' R	COT-753, COT-769A	818.03	812.53	4.30	28.80	-	-		-	-	-	1.00	-	-	-	-
ST48	MH23	0	157+58.73	CONST. RCI 1096 W/ 15.7 LF OF 18" CPP 14.88' L	COT-753, COT-769A	818.06	812.53	4.30	28.71	-	-		-	-	-	1.00	-	-	-	-
ST50	JB6	0	135+50.06	CONST. INLET (SMD-TYPE 2A) W/ 22.1 LF OF 30" CPP 53.95' L	COT-753, COT-769A	705.05	698.73	10.48	15.84	-	-		-	-	-	-	-	-	-	-
ST53	MH11B	0	142+04.88	CONST. INLET CDI RCP DES. NO. 6 W/ 36.6 LF OF 48" CPP 82.27' L	COT-753, COT-769A	725.45	719.45	36.45	75.47	-	-		-	-	-	-	-	-	-	-
ST54	0	0	152+13.22	CONST. 18" PCES, ROUND 78.68' R	COT-753, COT-769A	764.51	762.80	-	-	-	-		-	-	-	-	-	-	-	-
ST56	MH19	0	153+01.99	CONST. INLET CDI RCP DES. NO. 5 W/ 10.8 LF OF 42" CPP 43.81' L	COT-753, COT-769A	774.77	769.05	9.40	8.91	-	-		-	-	-	-	-	-	-	-
HWD3-H	0	0	0	CONST. 0 0	COT-753, COT-769A	—	0.00	-	-	-	-		-	-	-	-	-	-	-	-
ST14-H	ST19-H	0	13+53.61	CONST. CI DES. 2(A) W/AMH W/ 170.4 LF OF 42" CPP 4.58' R	COT-751, COT-769A	706.67	696.95	148.25	369.87	-	-		-	-	-	-	-	-	-	-
ST17-H	ST14-H	0	50+12.22	CONST. CI DES. 2(A) W/ 23.4 LF OF 24" CPP 0.09' R	COT-751, COT-769A	706.94	701.33	9.03	21.76	-	-		-	-	-	-	-	-	-	-
ST18-H	ST19-H	0	50+13.52	CONST. CI DES. 4(B) W/ 23.4 LF OF 18" CPP 174.66' L	COT-751, COT-769A	702.61	698.05	6.41	13.53	-	-		-	-	-	-	-	-	-	-
BLIND CONNECTION	ST24	0	0	CONST. 0 W/ 21.4 LF OF 18" CPP 0	COT-753, COT-769A	—	0.00	5.86	10.21	-	-		-	-	-	-	-	-	-	-
ST19-H	HWD3-H	0	11+79.68	CONST. CI DES. 2(A) W/AMH W/ 115.9 LF OF 42" CPP 3.28' R	COT-751, COT-769A	702.65	696.23	100.83	210.66	-	-		-	-	-	-	-	-	-	-
							TOTALS=	4,164.44	12,197.21	2,547.59	232.72	2.00	594.59	2.00	107,234.58	8.00	9.00	25.00	6.00	53.00

| Structure Up. No. | ADD'L DEPTH IN MANHOLES | | | | INLETS | | | | | | | | | |



LEGEND

ISF — INLET SEDIMENT FILTER

SILT FENCE

TEMP ROCK FILTER DAMS

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

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811
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REVISION	BY	DATE

EROSION CONTROL PLAN (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

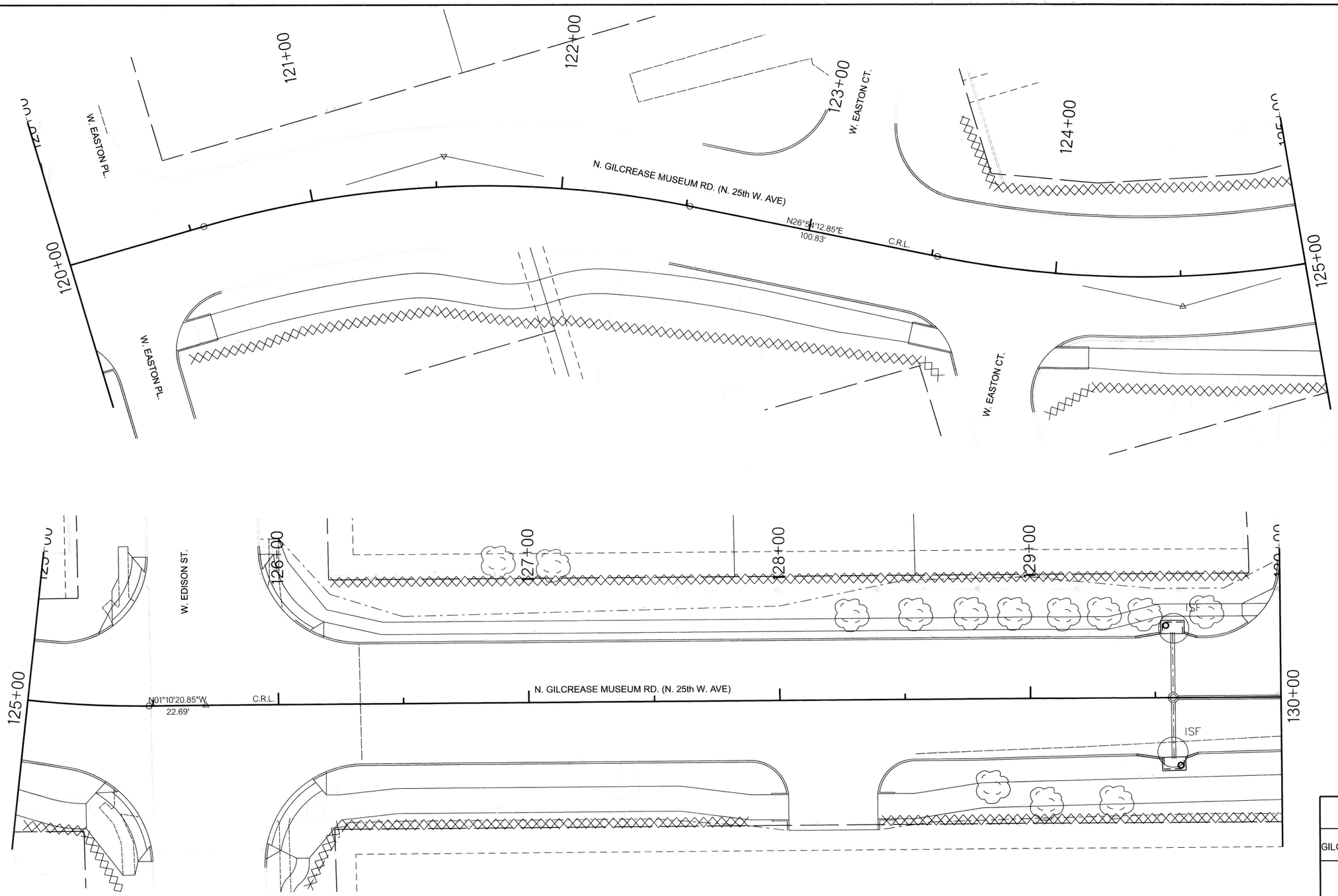
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	TLO	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.	BSC	6/25	
	FIELD MGR.	MW	6/25	
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Erosion Control Plan			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 24 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\Roadway\Shts\21-1009-Erosion Control Plan.dgn

6/20/2025

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET



LEGEND

- ISF — INLET SEDIMENT FILTER
- SILT FENCE
- TRF — TEMP ROCK FILTER DAMS

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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REVISION	BY	DATE

EROSION CONTROL PLAN (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	TJW	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.	BDC	6/25	
	FIELD MGR.	RBW	6/25	
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Erosion Control Plan			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 25 OF 268 SHEETS

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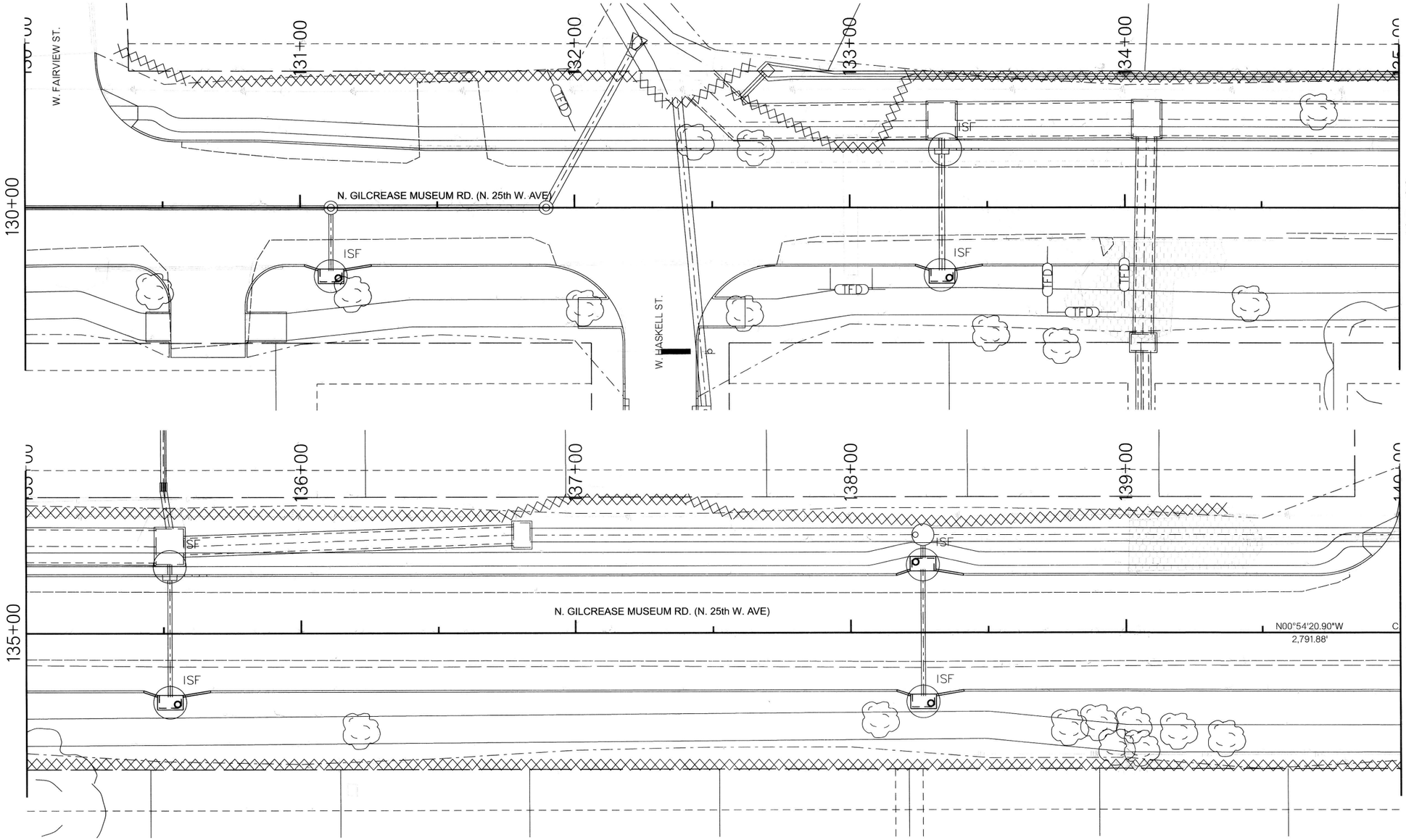
6/20/2025



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6/20/2025

EROSION CONTROL PLAN (3)

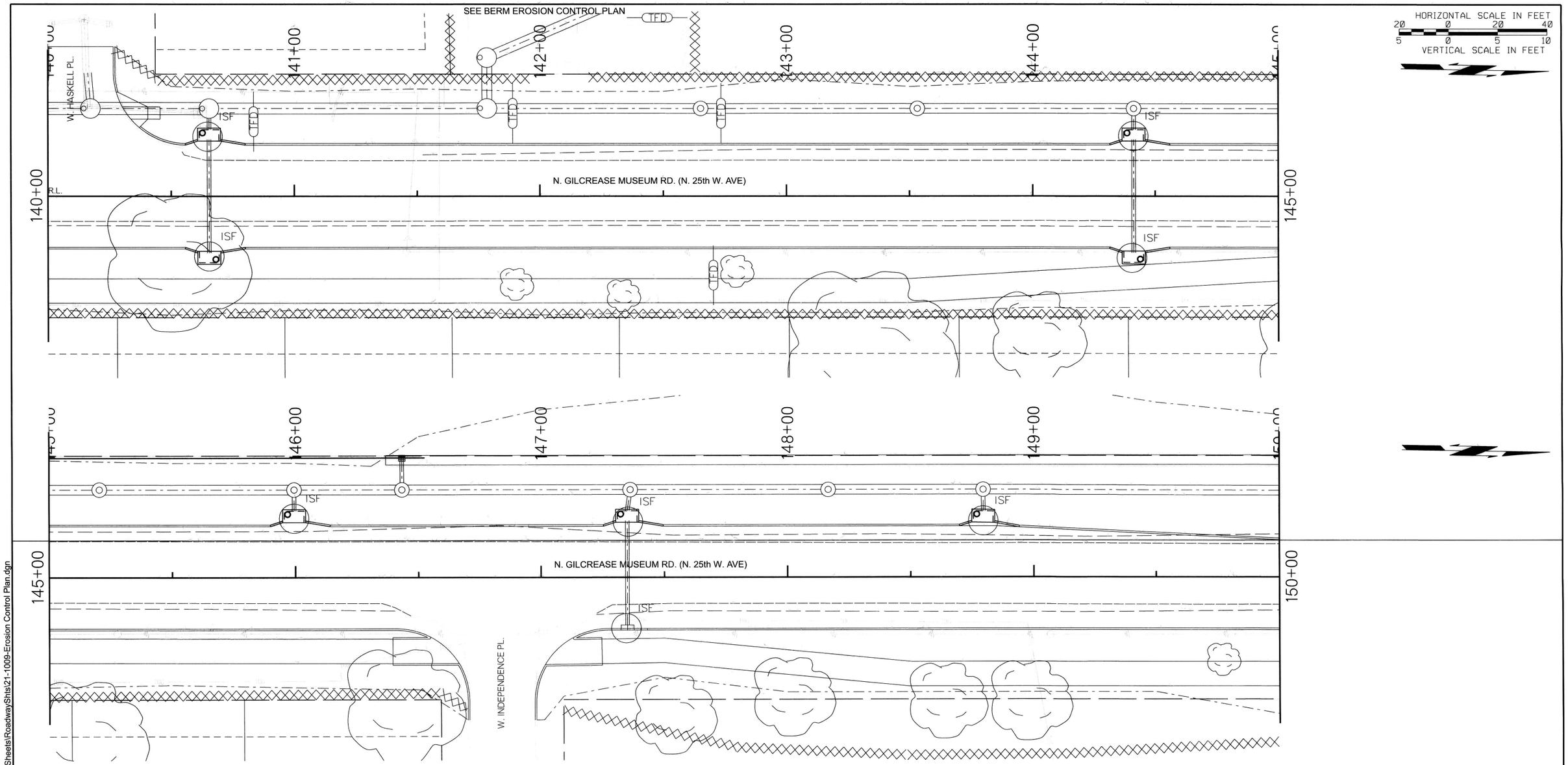
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	MR	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.	BDC	6/25	
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Erosion Control Plan			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 26 OF 268 SHEETS



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6/20/2025

LEGEND

ISF	INLET SEDIMENT FILTER
xxxxxxxxxxxxxx	SILT FENCE
—TFD—	TEMP ROCK FILTER DAMS

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

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EROSION CONTROL PLAN (4)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	NAD	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.	BDC	6/25	
	FIELD MGR.	[illegible]	6/25	
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Erosion Control Plan			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 27 OF 268 SHEETS

HORIZONTAL SCALE IN FEET
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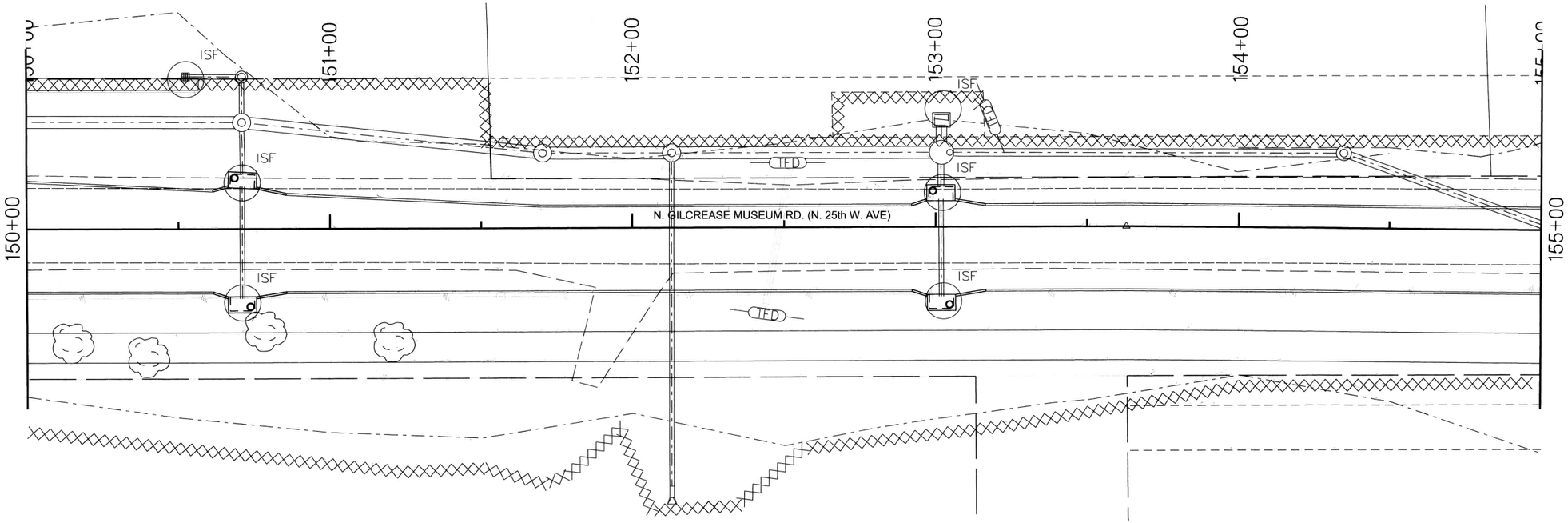
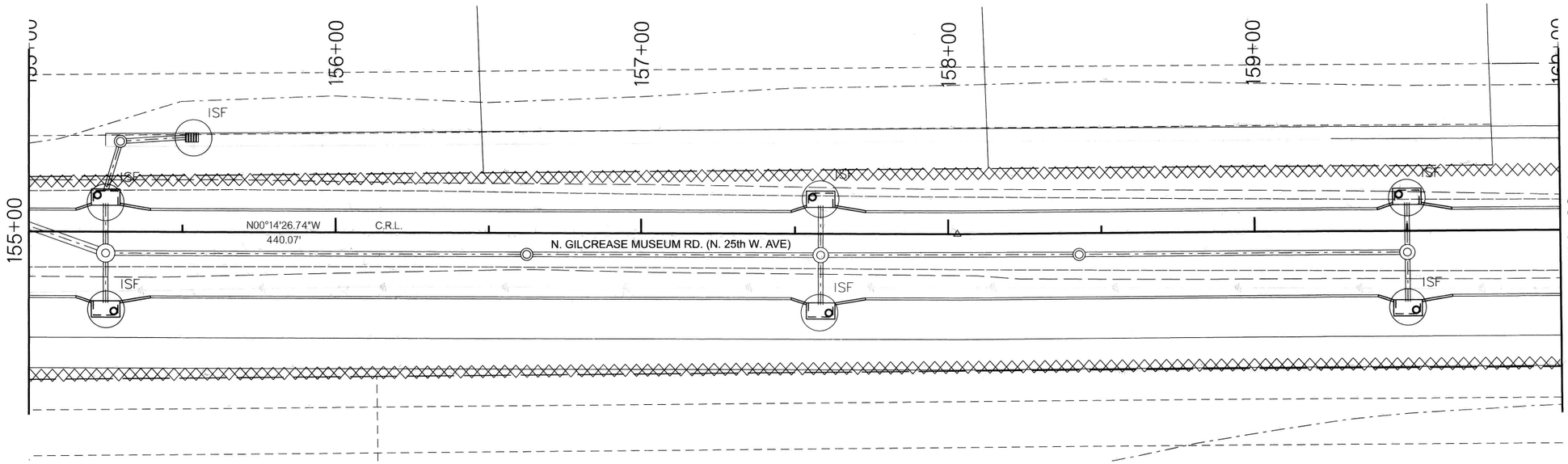
5 0 5 10
VERTICAL SCALE IN FEET





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6/20/2025

LEGEND

ISF — INLET SEDIMENT FILTER

SILT FENCE

TFD — TEMP ROCK FILTER DAMS

JARED T. BATES 20681 LICENSED PROFESSIONAL ENGINEER OKLAHOMA

6/20/2025

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REVISION	BY	DATE

EROSION CONTROL PLAN (5)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
	RECOMMENDED:			
VERTICAL 1" = 5'	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Erosion Control Plan			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 28 OF 268 SHEETS

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

160+00 161+00 162+00 163+00 164+00 165+00

N. GILCREASE MUSEUM RD. (N. 25th W. AVE)

N00°54'00.57"W 1,000.00' C.R.L.

ISF

165+00 166+00 167+00 168+00 169+00 170+00

N. GILCREASE MUSEUM RD. (N. 25th W. AVE)

W. NEWTON ST.

ISF

TFD

LEGEND

- ISF — INLET SEDIMENT FILTER
- SILT FENCE
- TFD — TEMP ROCK FILTER DAMS

LICENSED PROFESSIONAL ENGINEER
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20681
OKLAHOMA
6/20/2025

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REVISION	BY	DATE

EROSION CONTROL PLAN (6)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
1" = 20'	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	TMD	6/25	
	LEAD ENGR.	BDC	6/25	
HORIZONTAL: 1" = 20'	FIELD MGR.	RWL	6/25	
	RECOMMENDED:			
VERTICAL 1" = 5'	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Erosion Control Plan			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 29 OF 268 SHEETS

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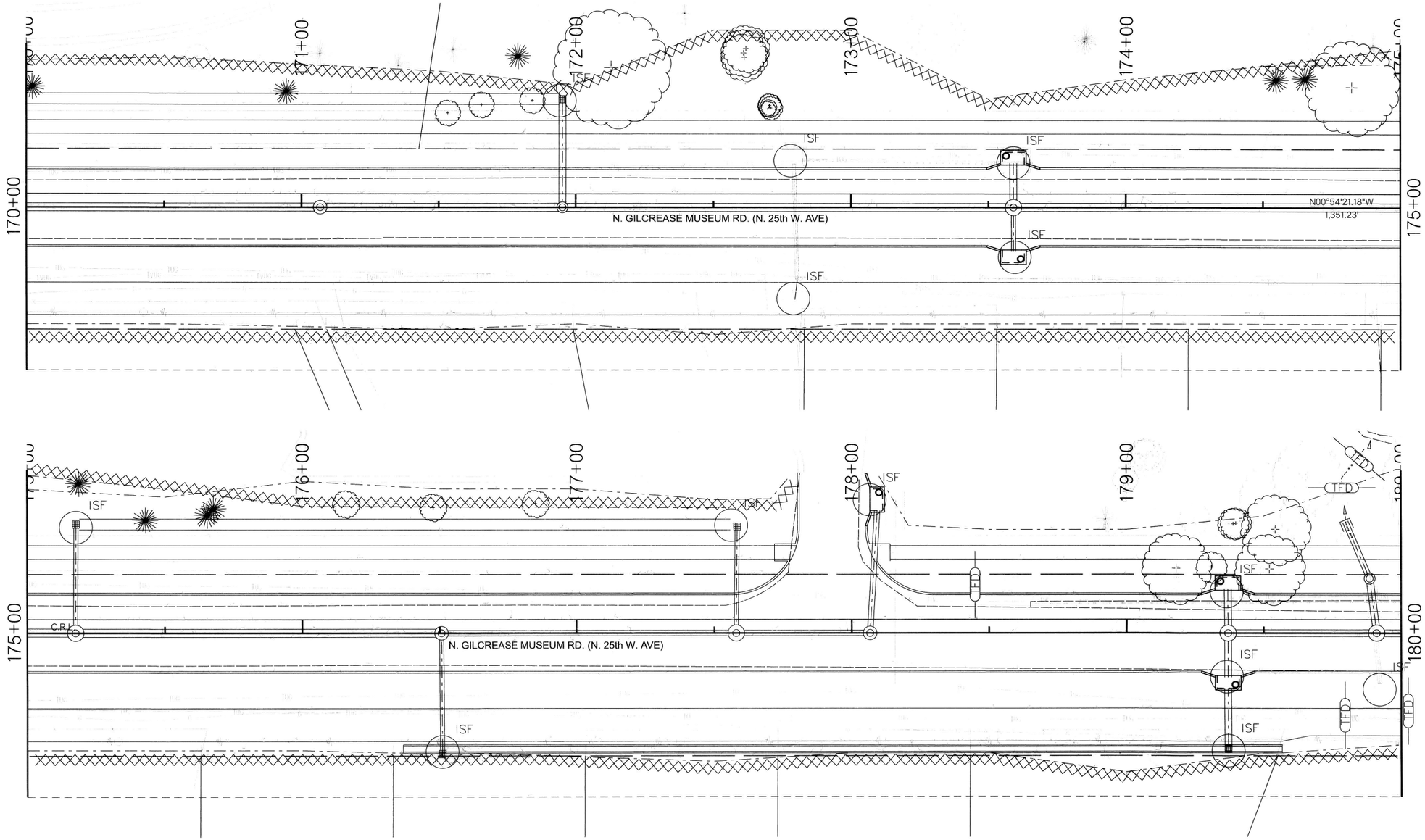
6/20/2025



HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

LEGEND

- ISF — INLET SEDIMENT FILTER
- SILT FENCE
- TFD — TEMP ROCK FILTER DAMS

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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REVISION	BY	DATE

EROSION CONTROL PLAN (7)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Erosion Control Plan			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 30 OF 268 SHEETS

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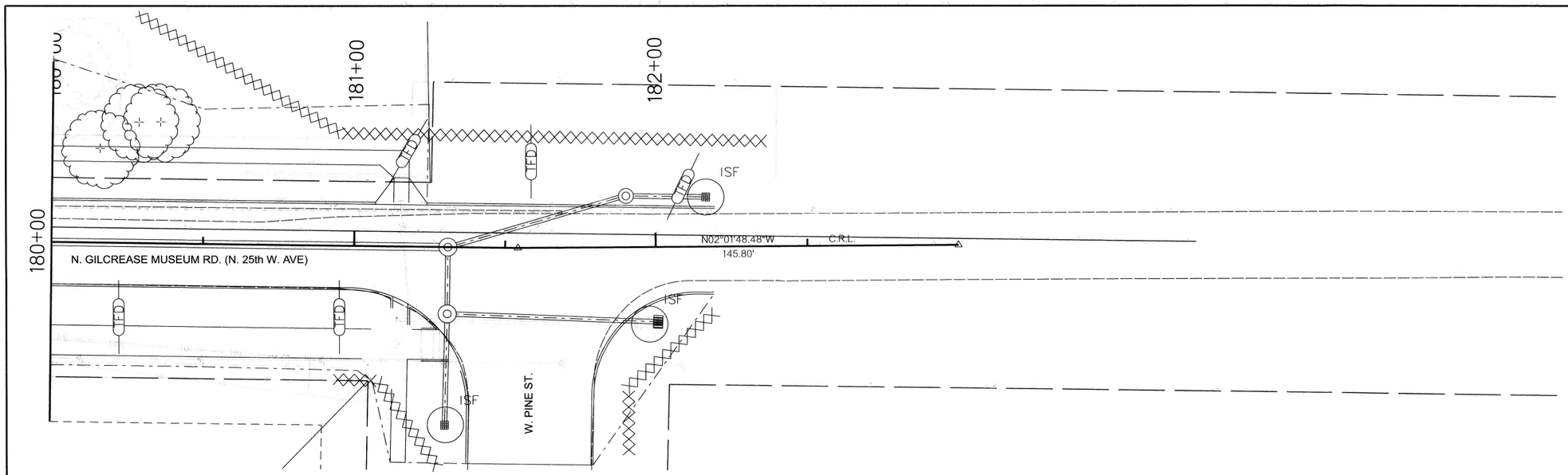
6/20/2025



HORIZONTAL SCALE IN FEET
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5 0 5 10
VERTICAL SCALE IN FEET

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-Erosion Control Plan.dgn
6/20/2025

LEGEND

ISF — INLET SEDIMENT FILTER

SILT FENCE

TFD — TEMP ROCK FILTER DAMS

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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REVISION	BY	DATE

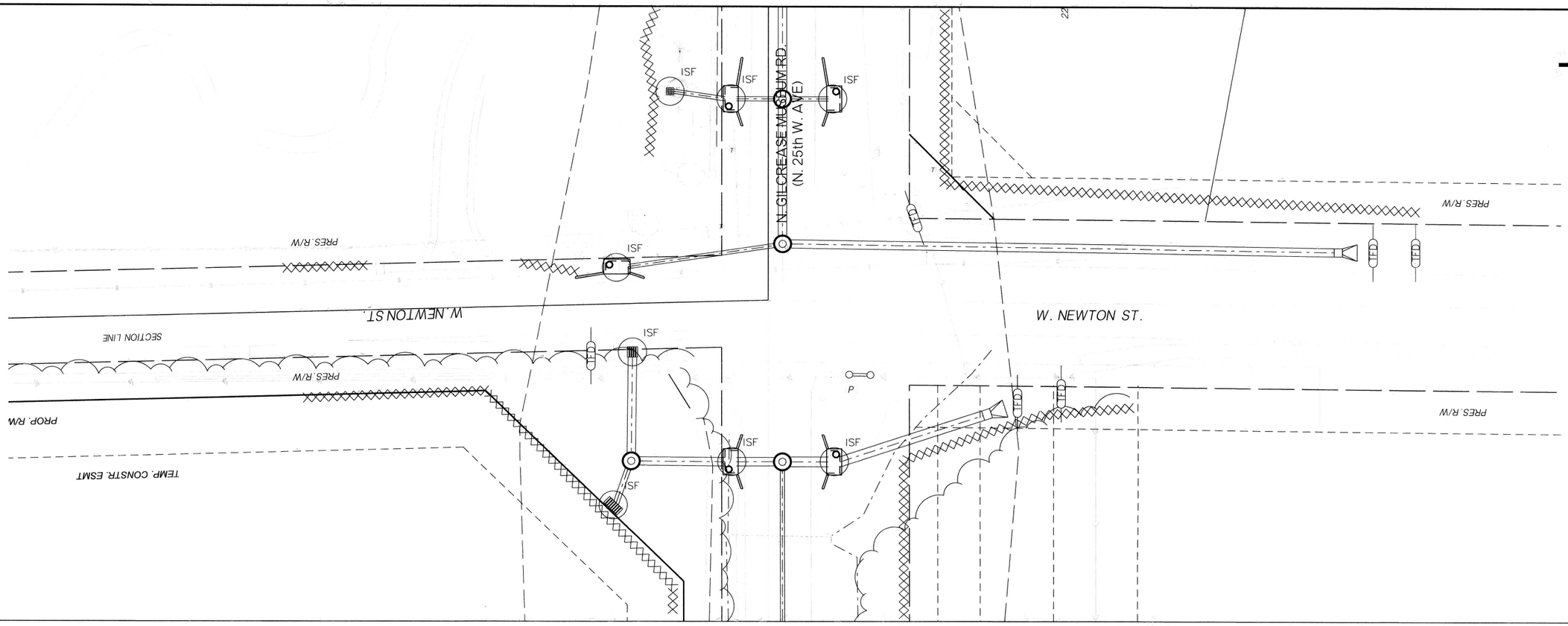
EROSION CONTROL PLAN (8)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	DMO	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.	BDC	6/25	
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED:			
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Erosion Control Plan			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 31 OF 268 SHEETS



HORIZONTAL SCALE IN FEET

VERTICAL SCALE IN FEET

LEGEND

ISF — INLET SEDIMENT FILTER

SILT FENCE

TFD — TEMP ROCK FILTER DAMS

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

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REVISION	BY	DATE

EROSION CONTROL PLAN (9)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		6/25	
	LEAD ENGR.	BDC	6/25	
HORIZONTAL: 1" = 20'	FIELD MGR.		6/26	
	RECOMMENDED:			
VERTICAL 1" = 5'	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Erosion Control Plan Newton			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 32 OF 268 SHEETS

SEC 3, T19N, R12E

W. ADMIRAL BLVD.
1/4 SECTION LINE
MARC & LACI J. CAMPBELL TRACT 1
MARC & LACI J. CAMPBELL TRACT 5
TRACT 6
KEYSTONE EXPRESSWAY
W. RECONCILIATION WAY
QUIKTRIP NO. 59R PLANNED UNIT DEVELOPMENT NUMBER 776
BK. 5639, PG. 0743
JOHNNIE C. MILLER, TRUSTEE OF THE JOHNNIE C. MILLER REVOC. TRUST DATED AUG. 18, 1989
DALE R. & PAMELA K. ROSS
KELLIE A. ALEXANDER
JUANITA COLLETTE POYNER LEIGH & CLAUDIA LEIGH
BONNIE PHYLLIS WILLBOURN
RONALD H. BROWN
MAGGIE A. BARNES LIVING TRUST, DATED FEB. 3, 1999
JAMES A. ROBY, III
W. CAMERON ST.
W. EASTON ST.
EASTON HEIGHTS 2ND ADDITION
W. EASTON PL.
W. EASTON CT.
GILCREASE HILLS FINANCIAL CENTER
W. EDISON ST.
SEC. 33, T20N, R12E
SKYLINE RIDGE FIFTH
CORRECTION LOT LINE
MATCH LINE SEE THIS SHEET
CP #3354 I.P.
CP #4990 60d
CP #3281 I.P.
CP #3490 I.P.
CP #27 I.P.
CP #4546 I.P.
CP #3553 I.P.
#122
N. GILCREASE MUSEUM RD.
PRES. R/W
VAGABONDS, INC.
NEW BLOCK PARK
NEW BLOCK PARK DRIVE
APRIL M. McCONNELL a/k/a APRIL GIRDER-McCONNELL
STATE OF OKLAHOMA THROUGH THE OK. TOURISM & RECREATION DEPT. c/o DEPT. OF HWYS. R/W DIV.
STATE OF OKLAHOMA
KEYSTONE EXPRESSWAY
GILCREASE OAKS 1
FINAL PLAT PUD 413-B
GILCREASE OAKS 2
CITY OF TULSA MONTICELLO ADDITION
CITY OF TULSA
PRES. R/W & LOT LINE
CORRECTION LOT 1
CORRECTION LOT 2
CORRECTION LOT 3
CORRECTION LOT 4
SECTION LINE
TULSA CO. T19N OSAGE CO. T20N
GILCREASE HILLS CENTER VILLAGE I SEC 34, T20N, R12E
HORIZONTAL SCALE IN FEET
VERTICAL SCALE IN FEET

SEC. 33, T20N, R12E

SKYLINE RIDGE FIFTH
W. FAIRVIEW ST.
W. HASKELL PL.
SKYLINE RIDGE FIFTH
SKYLINE RIDGE SIXTH
CP #2574 I.P.
CP #2575 I.P.
CORRECTION LOT LINE
SEE THIS SHEET MATCH LINE
N. 25TH WEST AVE.
SECTION LINE
CITY OF TULSA
N. GILCREASE MUSEUM RD.
N. 25TH WEST AVE.
MARK S. & ANGELA M. SWIFT, TRUSTEES OF THE MARK S. SWIFT LIVING TRUST
MARK S. & ANGELA M. SWIFT, REVOCABLE TRUST DATED SEPT. 29, 2020
SID CONWAY
PROP. SD/E
TEMP. CONST. ESMT RD/E
MATCH LINE SEE NEXT SHEET
GILCREASE HILLS CENTER VILLAGE I
BLKS. 7 - 14
N. 24TH WEST AVE.
W. HASKELL ST.
HASKELL PL.
GILCREASE HILLS CENTER VILLAGE I
GILCREASE HILLS HOMEOWNER'S ASSOC.
CP #2576 I.P.
NOTE: GRADING OUTSIDE OF THE RIGHT OF WAY WILL REQUIRE A RIGHT OF ENTRY AGREEMENT.
W. INDEPENDENCE PL.
W. KING ST.
CITY OF TULSA
CP #1485 I.P.-YELLOW CAP
CP #1484 60d
GILCREASE HILLS VILLAGE I
SEC 34, T20N, R12E

SURVEYOR'S CERTIFICATE

I, JUSTIN LEE TALCOTT OF POE & ASSOCIATES, INC., A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF OKLAHOMA, DO HEREBY CERTIFY THE SURVEY PREPARED BY ME WAS ACTUALLY MADE UPON THE GROUND AND THAT IT AND THE INFORMATION SHOWN HEREON FOR ALL HORIZONTAL CONTROL POINTS IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY.

EXECUTED THIS 18th DAY OF June, 2025

JUSTIN LEE TALCOTT
LICENSED PROFESSIONAL LAND SURVEYOR
OKLAHOMA L.S. 1646

JUSTIN LEE TALCOTT 1646 OKLAHOMA

BEFORE YOU DIG 1-800-522-OKIE 811 CALL OKIE

RIGHT OF WAY & SURVEY DATA (1)

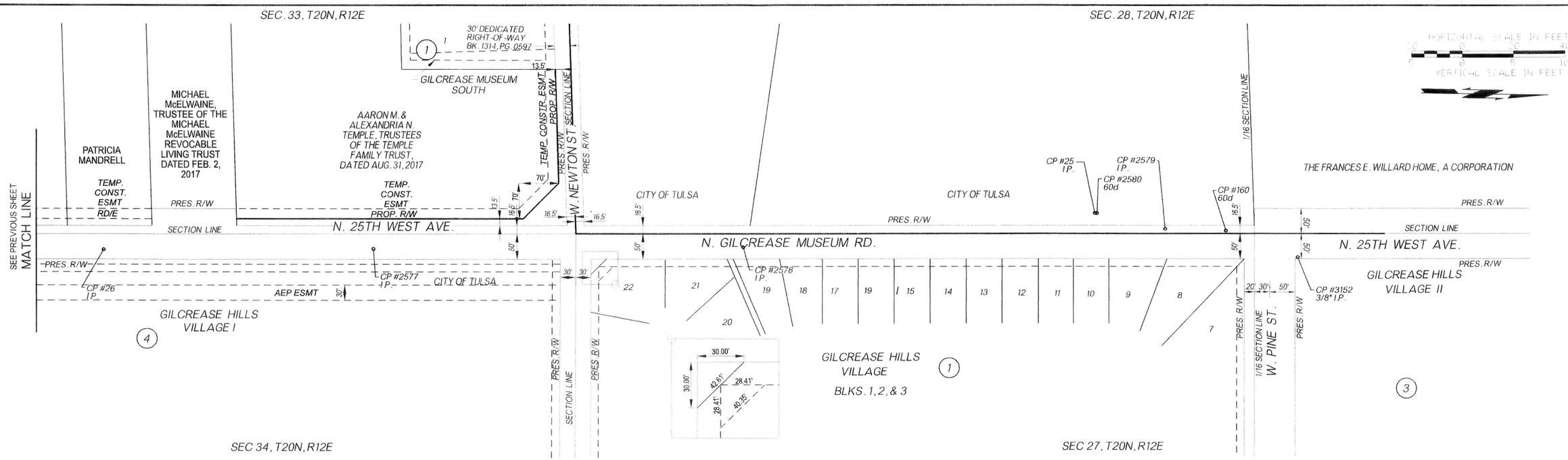
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE	DRAWN	POE	06/2023	APPROVED
1" = 100'	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE	PROJ. MGR		6/25	
HORIZONTAL 1" = N/A	LEAD ENGR		6/25	
	FIELD MGR		6/25	
VERTICAL 1" = N/A	RECOMMENDED		7-2-25	
	DESIGN MANAGER			CITY ENGINEER
FILE 1121-1009	DRAWING 21-1009-Right-of-Way			DATE 7/7/2025
ATLAS PAGE NO				SHEET 33 OF 268 SHEETS



HORIZONTAL AND VERTICAL CONTROL

PT. NO.	DESCRIPTION	STATION / OFFSET	ELEVATION	NORTHING	EASTING
25	CP "X"	178+15.77 45.78' LT	826.544	433914.250	2552855.731
26	CP IRON PIN	158+84.56 25.60' RT	842.846	431984.406	2552957.542
27	CP IRON PIN	126+84.94 37.90' RT	713.911	428785.325	2553015.303
160	CP 60d NAIL	180+69.20 11.08' LT	823.906	434168.193	2552886.423
1484	CP 60d NAIL	156+06.78 28.27' RT	824.813	431706.351	2552962.317
1485	CP IP, YELLOW CAP	156+63.03 31.08' RT	830.615	431762.610	2552964.896
2574	CP IRON PIN	131+34.58 41.33' LT	703.492	429233.660	2552928.981
2575	CP IRON PIN	139+61.07 38.31' LT	717.697	430060.096	2552918.928
2576	CP IRON PIN	147+10.68 35.37' RT	760.769	430810.774	2552980.754
2577	CP IRON PIN	164+08.44 24.38' RT	844.057	432508.204	2552948.096
2578	CP IRON PIN	171+29.22 21.57' RT	821.213	433228.849	2552933.928
2579	CP IRON PIN	179+52.06 14.67' LT	821.441	434051.016	2552884.685
2580	R/W IRON PIN CAP READS WHITE, RLS 1052, RW/ BLOCK COR AT RW	126+35.55 819.45' RT	698.390	428748.298	2553797.541
2580	CP 60D NAIL	178+19.93 45.48' LT	825.911	433918.407	2552855.966
3152	3/8" I.P.(OLD RW COR.)	182+09.25 42.81' RT	841.986	434309.893	2552936.988
3281	CP IRON PIN	123+42.13 60.43' LT	713.227	428477.212	2552877.960
3554	CP IRON PIN	112+25.29 45.68' LT	640.360	426250.177	2552807.998
3490	I.P. CAP "ISAACS CONTROL"	124+77.28 30.52' LT	713.130	428582.125	2552944.682
3553	CP IRON PIN	116+50.83 40.49' RT	709.792	427776.116	2552896.390
3354	CP IRON PIN	101+00.62 36.50' RT	704.376	427348.905	2552818.955
4546	CP IRON PIN	107+01.93 52.20' RT	684.273	426815.894	2552914.780
4990	CP 60D NAIL	110+54.71 42.48' LT	691.243	427178.424	2552825.643

SECTION CORNERS

PT. NO.	DESCRIPTION	STATION/OFFSET @ C.R.L.	ELEVATION	NORTHING	EASTING
100	S. QTR COR 33, MAG NAIL	125+47.16 2633.12' LT	680.452	428600.898	2550346.980
101	W. QTR COR 33, 3/8" I.P. GUY YELLOW CAP	140+09.49 5243.74' LT	672.266	430026.217	2547713.391
102	N. QTR COR 33, 3/8" I.P.	167+34.70 2598.88' LT	712.192	432793.201	2550320.034
103	N. QTR COR 28, I.P.	OUT OF RANGE	750.513	438053.938	2550237.806
104	S.E. COR 33, STL DISC w/HOLE PUNCHED AS PER REFERENCE	125+71.03 0.00' CRL	712.569	428670.831	2552979.212
105	EAST QTR COR 33, I.P.	141+65.18 0.05' LT	725.745	430264.784	2552953.957
106	N.E. SEC COR 33, I.P.	168+02195 5.00' LT	809.935	432902.195	2552912.518
107	WEST QTR COR 28	OUT OF RANGE	866.860	435546.769	2552870.702
108	E. QTR COR 34, 3/4" I.P. CAP LS 1253	141+08.89 5262.00' RT	743.341	430291.686	2558216.246
109	N. QTR COR 34, 3/4" MAG SPIKE w/WASHER	167+80.44 2636.40' RT	742.860	432921.183	2555553.949
110	CENTER QTR 27	OUT OF RANGE	737.579	435574.905	2555500.189
121	EAST QTR COR 3	103+00.28 2749.37' RT	736.554	426499.897	2555511.939
122	CENTER QTR 3	103+40.65 119.96' RT	637.523	426484.482	2552882.331
123	WEST QTR 3	103+23.20 2513.53' LT	638.333	426430.899	2550249.400

SURVEYOR'S CERTIFICATE

I, JUSTIN LEE TALCOTT OF POE & ASSOCIATES, INC., A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF OKLAHOMA, DO HEREBY CERTIFY THE SURVEY PREPARED BY ME WAS ACTUALLY MADE UPON THE GROUND AND THAT IT AND THE INFORMATION SHOWN HEREON FOR ALL HORIZONTAL CONTROL POINTS IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY.

EXECUTED THIS 18th DAY OF June, 2025

JUSTIN LEE TALCOTT
LICENSED PROFESSIONAL LAND SURVEYOR
OKLAHOMA L.S. 1646

JUSTIN LEE TALCOTT 1646 OKLAHOMA

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

RIGHT OF WAY & SURVEY DATA (2)

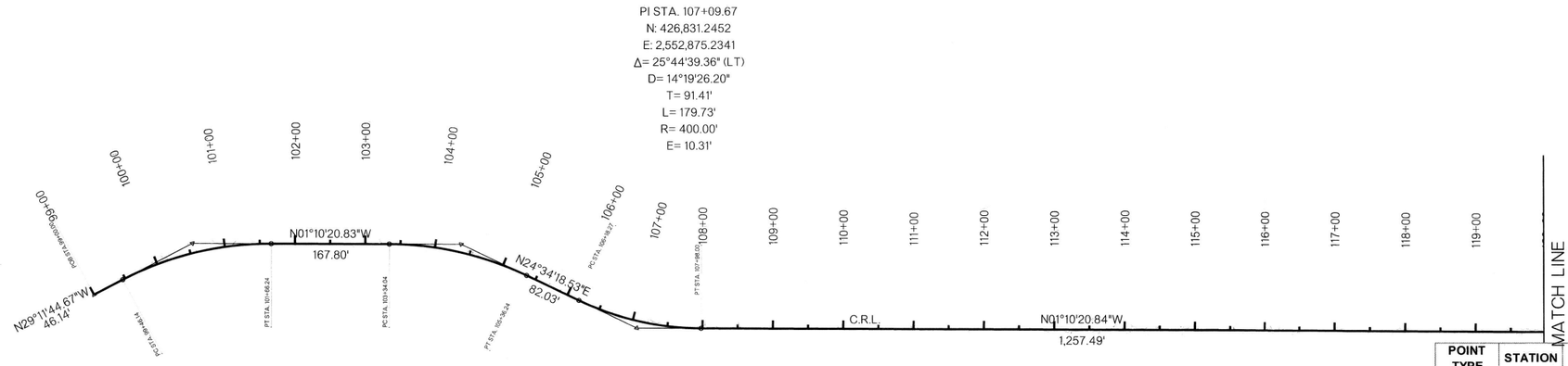
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

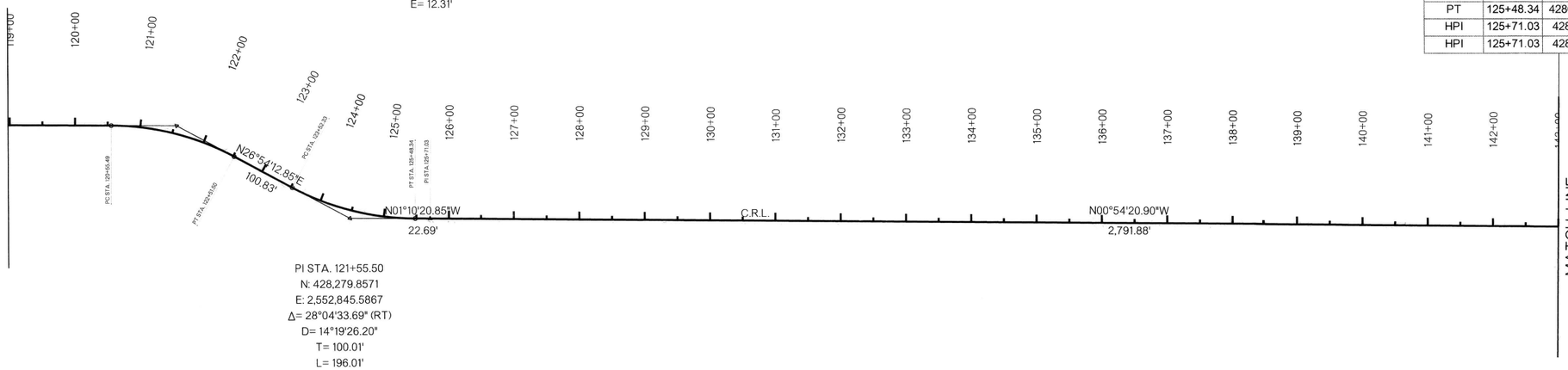
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE	DRAWN	POE	06/2023	APPROVED
1" = 100'	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE	PROJ. MGR		6/25	
HORIZONTAL 1" = N/A	LEAD ENGR		6/25	
	FIELD MGR		6/25	
VERTICAL 1" = N/A	RECOMMENDED DESIGN MANAGER		7-7-25	CITY ENGINEER
FILE H121-1009	DRAWING 21-1009-Right-of-Way			DATE 7/7/2025
ATLAS PAGE NO				SHEET 34 OF 268 SHEETS



POINT TYPE	STATION	NORTHING	EASTING	RADIUS	LENGTH	TANGENT
START	99+00.00	426058.8316	2552845.471			
PC	99+46.14	426099.1113	2552822.963			
PC	99+46.14	426099.1113	2552822.963			
HPI	100+58.44	426197.1399	2552768.187	450	220.09	112.29
PT	101+66.24	426309.4111	2552765.889			
PT	101+66.24	426309.4111	2552765.889			
PC	103+34.04	426477.1807	2552762.455			
PC	103+34.04	426477.1807	2552762.455			
HPI	104+36.87	426579.9926	2552760.351	450	202.19	102.83
PT	105+36.24	426673.5135	2552803.113			
PT	105+36.24	426673.5135	2552803.113			
PC	106+18.27	426748.1155	2552837.224			
PC	106+18.27	426748.1155	2552837.224			
HPI	107+09.67	426831.2452	2552875.234	400	179.73	91.41
PT	107+98.00	426922.6335	2552873.364			
PT	107+98.00	426922.6335	2552873.364			
PC	120+55.49	428179.8649	2552847.633			
PC	120+55.49	428179.8649	2552847.633			
HPI	121+55.50	428279.8571	2552845.587	400	196.01	100.01
PT	122+51.50	428369.0457	2552890.842			
PT	122+51.50	428369.0457	2552890.842			
PC	123+52.33	428458.9657	2552936.468			
PC	123+52.33	428458.9657	2552936.468			
HPI	124+52.34	428548.1543	2552981.723	400	196.01	100.01
PT	125+48.34	428648.1465	2552979.676			
PT	125+48.34	428648.1465	2552979.676			
HPI	125+71.03	428670.831	2552979.212			
HPI	125+71.03	428670.831	2552979.212			



REVISION	BY	DATE

GEOMETRIC SHEET (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

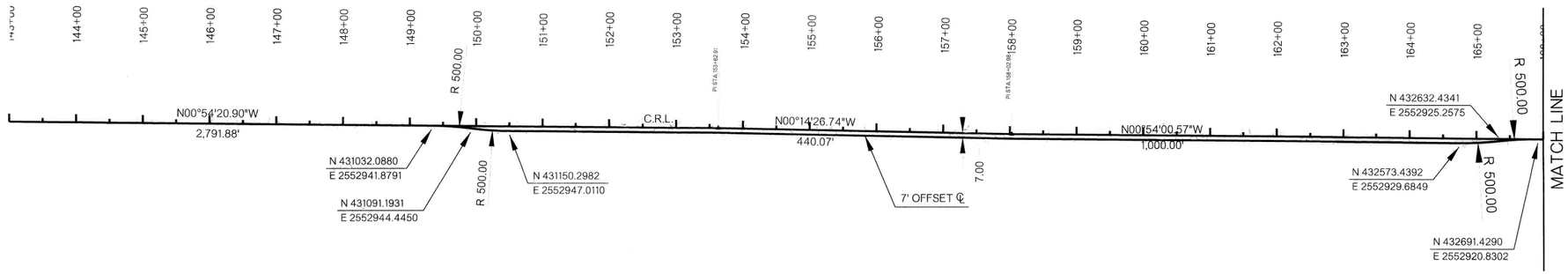
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

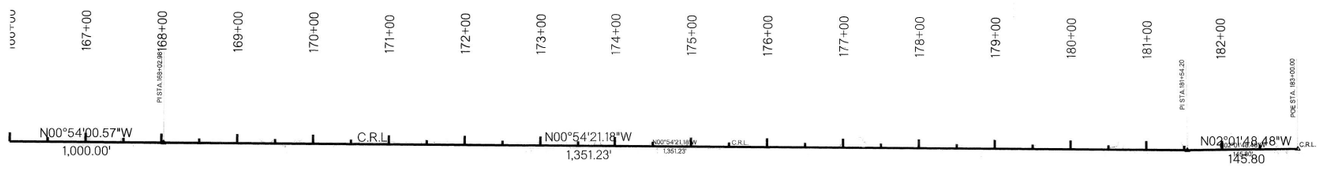
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" =100'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
	LEAD ENGR.			
HORIZONTAL: 1" =100'	FIELD MGR.			
	RECOMMENDED:			
VERTICAL 1" = N/A	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Geometric			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 35 OF 268 SHEETS

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
OKIE
811
1-800-522-OKIE
CALL OKIE





POINT TYPE	STATION	NORTHING	EASTING	RADIUS	LENGTH	TANGENT
HPI	153+62.91	431462.363	2552935.076			
HPI	153+62.91	431462.363	2552935.076			
HPI	158+02.98	431902.428	2552933.227			
HPI	158+02.98	431902.428	2552933.227			
HPI	168+02.98	432902.3046	2552917.517			
HPI	168+02.98	432902.3046	2552917.517			
HPI	181+54.20	434253.3621	2552896.154			
HPI	181+54.20	434253.3621	2552896.154			
END	183+00.00	434399.067	2552890.989			

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
OKIE
811
1-800-522-OKIE
CALL OKIE

GEOMETRIC SHEET (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 100'
PROFILE SCALE:
HORIZONTAL: 1" = 100'
VERTICAL 1" = N/A
FILE: H:\21-1009
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

DRAWN POE 2023
DESIGNED POE 06/2023
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED 7-25
DESIGN MANAGER
DRAWING: 21-1009-Geometric

APPROVED:
CITY ENGINEER
DATE: 7/3/2025
SHEET 36 OF 268 SHEETS

110+00 W. RECONCILIATION WAY

111+00

112+00

113+00

PRES. R/W

W. CAMERON ST.

PRES. R/W

114+00

MAGGIE A. BARNES LIVING TRUST, DATED FEB. 3, 1999

BEGIN MILL AND OVERLAY STA. 114+92.02

JAMES A. ROBY, III

115+00

RONALD H. BROWN

116+00

MATCH LINE STA. 116+00

1

QUIKTRIP NO. 59R
PLANNED UNIT
DEVELOPMENT
NUMBER 776

CP IP#4990

CP IP#3554

PRES. R/W

PRES. R/W

CONCRETE

ASPHALT

24'

20'

11

11

CONCRETE

9B 61 S.Y. 10' x 56'

12 1 EA.

RELOCATE FIRE HYDRANT

9B 61 S.Y. 10' x 56'

4 25 L.F.

12 1 EA.

4 28 L.F.

4 28 L.F.

US 412 WB OFF-RAMP

STATE OF OKLAHOMA

8 TYPE B 19 S.Y.

9A 61 S.Y. 10' x 56'

7 91 S.Y. 22' x 62'

PRES. R/W

13 2 EA.

GILCREASE OAKS 1

EXISTING BOLLARD TO BE REMOVED AND REPLACED (NO SIGN)

FINAL PLAT PUD 413-B

9A 190 S.Y. 10' x 177'

8 TYPE B 16 S.Y.

PRES. R/W

4 9 L.F.

1 174 S.Y. 34' x 93'

W. CAMERON ST.

4 6 L.F.

PRES. R/W

8 TYPE B 15 S.Y.

OWNER WILL RELOCATE BUS SHELTER. PROVIDE 15'X7' CONC. PAD 1% SLOPES WHERE POSSIBLE, 2.1% MAX SLOPES.

PRES. R/W

15'

7'

9A 206 S.Y. 10' x 175'

GILCREASE OAKS 2

2 534 S.Y. 44' x 108'

7 107 S.Y. 24' x 65'

MATCH LINE STA. 116+00

116+00

RONALD H. BROWN

PRES. R/W

W. EASTON ST.

117+00

PRES. R/W

EASTON HEIGHTS 2ND ADDITION 3

118+00

119+00

EASTON HEIGHTS 2ND ADDITION 3

2872 S.Y. 44' x 502'

2

PRES. R/W

120+00

W. EASTON PL.

PRES. R/W

EASTON HEIGHTS 2ND ADDITION 2

CORRECTION LOT 3

121+00

PRES. R/W

MATCH LINE STA. 121+00

42'

ASPHALT

N. GILCREASE MUSEUM RD. (N. 25th W. AVE)

23 L.F. 4

12 3 EACH

30 L.F. 4

RELOCATE FIRE HYDRANT

12 3 EA.

19 L.F. 4

PRES. R/W

66 S.Y. 10' x 59' 9A

14 S.Y. 4' x 19' 9A

8 TYPE B 15 S.Y.

4 5 L.F.

W. EASTON ST.

1/16 SECTION LINE

8 TYPE B 15 S.Y.

PRES. R/W

CITY OF TULSA

AEP TO RELOCATE GUY WIRES

9A 300 S.Y. 10' x 270'

4 19 L.F.

8 TYPE B 16 S.Y.

PRES. R/W

4 12 L.F.

W. EASTON PL.

4 14 L.F.

8 TYPE B 17 S.Y.

PC STA. 120+55.49

CITY OF TULSA

9A 66 S.Y. 10' x 48'

2 GILCREASE OAKS 4' x 19'

CONTROL:

CP# 4546 CP IRON PIN
107+01.93 52.20' RT
N=426815.894 E=2552914.78
ELEV.=684.273

CP# 3554 CP IRON PIN
112+25.29 45.68' LT
N=426250.177 E=2552807.998
ELEV.=640.36

LEGEND

1 PCC RECONSTRUCTION	6 CONSTRUCT INLET	10 CONSTRUCT JUNCTION BOX	PAVEMENT CONST.
2 MILL & OVERLAY	7 CONSTRUCT DRIVEWAY	11 ADJUST INLET TO GRADE	MILL & OVERLAY
3 TYPE I APC PATCH	8 CONSTRUCT CURB RAMP	12 ADJUST WATER OR GAS VALVETO GRADE	DRIVEWAY CONST.
4 CONSTRUCT CURB & GUTTER	9A CONSTRUCT SIDEWALK	13 ADJUST WATER METER BOX TO GRADE	SIDEWALK
5 CONSTRUCT MANHOLE	9B CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK	14 ADJUST MANHOLE TO GRADE	BRICK STAMPED SIDEWALK

1000 CP IP CONTROL POINT

X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA

6/20/2025

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

PLAN SHEET 1 (ROADWAY)
N. GILCREASE MUSEUM RD. STA. 110+00-121+00

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	TAD	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.	JB	6/25	
	FIELD MGR.	Zuri	6/25	
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER	HAB	7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-PNP(1)			DATE: 7/7/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 37 OF 268 SHEETS

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

841 S.Y.
44' x 172'
2
CAUTION!!
O.H. POWER
LINES IN AREA
MATCH LINE STA. 121+00
122+00
ASPHALT
RECONSTRUCT
CURB & GUTTER
123+00
W. EASTON CT.
PRES. R/W
1
GILCREASE
HILLS
FINANCIAL
CENTER
CORRECTION LOT 3
CP IP#3281
CP #3281
I.P.
PC
STA.123+52.33
841 S.Y.
44' x 172'
1
124+00
11 S.Y.
5' x 20'
9A
W. EDISON ST.
CAUTION !!
O.H. POWER
LINES IN AREA
PI 121+55.50
CITY
OF
TULSA
PT
STA.122+52.03
RECONSTRUCT
CURB & GUTTER
125+00
4
11 L.F.
50'
TYPE B
8 S.Y.
8
PRES. R/W
CP #3490
I.P.
24 L.F.
4
9A
251 S.Y.
10' x 235'
CITY
OF
TULSA
9B
251 S.Y.
10' x 235'
N. GILCREASE MUSEUM RD. (N. 25th W. AVE)
CONCRETE
PRES. R/W & LOT LINE
8
TYPE B
15 S.Y.
R25'
STA. 122+52.03
END MILL AND OVERLAY
& BEGIN RECONSTRUCTION
PRES. R/W
W. EASTON CT.
CORRECTION LOT 2
8
TYPE B
17 S.Y.
R25'
9B
251 S.Y.
10' x 235'
PI 124+52.34
9A
144 S.Y.
10' x 131'
PRES. R/W & LOT LINE
4
20 L.F.
8
TYPE B
18 S.Y.
9A
9 S.Y.
5' x 17'
PRES. R/W
TULSA CO.
T19N
STA. 125+48.34
END RECONSTRUCTION
T20N
OSAGE CO.

CONTROL:
CP# 3281 CP IRON PIN
123+42.13 60.43' LT
N=428477.212 E=2552877.96
ELEV.=713.227

CP# 3490 I.P. CAP "ISAACS CONTROL "
124+77.28 30.52' LT
N=428582.125 E=2552944.682
ELEV.=713.13

EXIST. GROUND @ CRL
OF N. 25TH W AVE.
PROPOSED
GRADE
X.XX%
PVI 126+41.00
ELEV. 712.61
0.26%
5.00
76

725
720
715
710
705
700
695

121+00 +50 122+00 +50 123+00 +50 124+00 +50 125+00 +50 126+00

NOTE: SEE JOINT LAYOUT SHEET (7)
STA 121+00 - 125+48.34
FOR ELEVATIONS IN THIS AREA

LEGEND

1 PCC RECONSTRUCTION	6 CONSTRUCT INLET	10 CONSTRUCT JUNCTION BOX	PAVEMENT CONST.	1000 CP IP CONTROL POINT	
2 MILL & OVERLAY	7 CONSTRUCT DRIVEWAY	11 ADJUST INLET TO GRADE	MILL & OVERLAY		
3 TYPE I APC PATCH	8 CONSTRUCT CURB RAMP	12 ADJUST WATER OR GAS VALVETO GRADE	DRIVEWAY CONST.		
4 CONSTRUCT CURB & GUTTER	9A CONSTRUCT SIDEWALK	13 ADJUST WATER METER BOX TO GRADE	SIDEWALK	X-XX PROPOSED STRUCTURE NUMBER	
5 CONSTRUCT MANHOLE	9B CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK	14 ADJUST MANHOLE TO GRADE	BRICK STAMPED SIDEWALK		

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
811
1-800-522-OKIE
CALL OKIE

PLAN SHEETS 2 (ROADWAY)
N. GILCREASE MUSEUM RD. STA. 121+00-125+48.34

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED:	HAS	7-25	
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/13/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 38 OF 268 SHEETS

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

SEC. 33, T20N, R12E

TULSA CO. T19N
T20N OSAGE CO.
PRES. R/W
SKYLINE RIDGE FIFTH 8
CORRECTION LOT 4
CAUTION !! O.H. POWER LINES IN AREA
ST-02 (6)
MH-1 (5)
FAIRVIEW ST.
SKYLINE RIDGE FIFTH 7
126+00
127+00
128+00
129+00
130+00
50'
1 EA. TYPE B (8)
330 L.F. (4)
ESMT
PRES. R/W
14 L.F. (4)
TYPE A (8)
6 S.Y. 5' x 10' (9)
10 L.F. (4)
226 S.Y. 5' x 375' (9)
TOP/TOE
12 L.F. (4)
22 L.F. (4)
16 L.F. (4)
SECTION LINE
N. GILCREASE MUSEUM RD. (N. 25th W. AVE)
209 L.F. (4)
116 L.F. (4)
105 L.F. (4)
130+50
7 L.F. (4)
2 EA. TYPE B (8)
233 S.Y. 10' x 217' (9)
2151 S.Y. (1)
135 S.Y. 30' x 65' (7)
+70.00 24.0
252 S.Y. 10' x 213' (9)
+10.00 21.0
EDISON ST.
STA. 126+41.00
BEGIN PC RECONSTRUCTION
VPOB STA. 126+31.06 ELEV.= 712.58
CORRECTION LOT 1
1
GILCREASE HILLS CENTER VILLAGE I

SEC 34, T20N, R12E

VPI STA. 126+31.06 ELEV.= 712.58
VHP STA. 128+16.17 ELEV.= 713.03
VPI STA. 129+00.00 ELEV.= 713.26
VPC STA. 128+00.00 ELEV.= 713.01
VPT STA. 130+00.00 ELEV.= 710.37
+0.25%
+0.25%
-2.88%
-2.88%
PROPOSED GRADE
STA. 129+57.08, 0.01' LT
4' I.D. MANHOLE
TR = 711.46
IN: 18" CPP FL = 701.86 (E)
IN: 18" CPP FL = 701.86 (W)
OUT: 18" CPP FL = 700.35 (N)
200.00' V.C.
K = 63.73
154.1 LF 18" CPP @ 0.50%
U/S: 700.35
D/S: 699.58

720 715 710 705 700 695 690

712.34 712.59 712.58 712.63 712.62 712.75 712.71 712.88 712.91 713.01 712.77 712.94 712.05 712.47 711.05 711.62 709.91 710.37 708.66 708.93

126+00 +50 127+00 +50 128+00 +50 129+00 +50 130+00 +50

CONTROL:

CP# 27 CP IRON PIN
126+84.94 37.90' RT
N=428785.325 E=2553015.303
ELEV.=713.911

LEGEND

(1) PCC RECONSTRUCTION	(6) CONSTRUCT INLET	(10) CONSTRUCT JUNCTION BOX	PAVEMENT CONST.
(2) MILL & OVERLAY	(7) CONSTRUCT DRIVEWAY	(11) ADJUST INLET TO GRADE	MILL & OVERLAY
(3) TYPE I APC PATCH	(8) CONSTRUCT CURB RAMP	(12) ADJUST WATER OR GAS VALVE TO GRADE	DRIVEWAY CONST.
(4) CONSTRUCT CURB & GUTTER	(9A) CONSTRUCT SIDEWALK	(13) ADJUST WATER METER BOX TO GRADE	SIDEWALK
(5) CONSTRUCT MANHOLE	(9B) CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK	(14) ADJUST MANHOLE TO GRADE	BRICK STAMPED SIDEWALK

1000 CP IP CONTROL POINT
X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA
6/20/2025

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

REVISION	BY	DATE

PLAN & PROFILE (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

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	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
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HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER		7-3-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 39 OF 268 SHEETS

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6/20/2025

SEC. 33, T20N, R12E

SKYLINE RIDGE FIFTH

SKYLINE RIDGE SIXTH

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

7 6' BCLF & GATE

HW-4

MH-2 (5) +36.0 24.0

MH-3 (5) +45.0 24.0

556 S.Y. 10' X 500' (9)

JB-4 (10)

ST-04 (6)

JB-5 (10)

280 LF CONCRETE CHANNEL DESIGN 1B

4' CLF

TOP/TOE

ESMT

PRES. R/W

131+00

132+00

133+00

134+00

135+00

4 505 L.F.

50'

SECTION LINE

N. GILCREASE MUSEUM RD. (N. 25th W. AVE)

4 162 L.F.

4 300 L.F.

ST-01 (6)

7 132 S.Y. 27' x 36'

9 143 S.Y. 10' X 120'

8 TYPE B

14

W. HASKELL ST.

50'

ST-03 (6)

229.47' V.C. K = 45.40

9 323 S.Y. 10' X 291'

1 2248 S.Y.

JB-102 (10)

12

GILCREASE HILLS CENTER VILLAGE I

BLKS. 7 - 14 GILCREASE HILLS VILLAGE I

BLKS. 7 - 14 GILCREASE HILLS CENTER VILLAGE I

SEC 34, T20N, R12E

STA. 131+11.21, 0.00' T
5' I.D. MANHOLE
TR = 707.17
IN: 18" CPP FL = 699.58 (S)
IN: 18" CPP FL = 701.04 (E)
OUT: 24" CPP FL = 697.57 (N)

STA. 131+89.75, 0.00' T
5' I.D. MANHOLE
TR = 704.90
IN: 24" CPP FL = 697.18 (S)
OUT: 36" CPP FL = 694.18 (NW)

MH-2

MH-3

-2.88%

+2.17%

EXIST. GROUND

PROPOSED GRADE

VPC STA. 132+10.26
ELEV.= 704.31

VPI STA. 133+25.00
ELEV.= 701.00

VLP STA. 133+41.24
ELEV.= 702.42

VPT STA. 134+39.74
ELEV.= 703.49

154.1 LF 18" CPP @ 0.50%
U/S: 700.35
D/S: 699.58

78.5 LF 24" CPP @ 0.50%
U/S: 697.57
D/S: 697.18

708.93	707.49	706.05	704.61	703.34	702.61	702.43	702.80	703.71	704.80	705.88	
707.41	706.01	704.61	703.41	702.83	702.61	702.71	703.19	704.08	705.03		
131+00		+50	132+00	+50	133+00	+50	134+00	+50	135+00	+50	

720 715 710 705 700 695 690 685

LEGEND

1 PCC RECONSTRUCTION	6 CONSTRUCT INLET	10 CONSTRUCT JUNCTION BOX	PAVEMENT CONST.		
2 MILL & OVERLAY	7 CONSTRUCT DRIVEWAY	11 ADJUST INLET TO GRADE	MILL & OVERLAY		
3 TYPE I APC PATCH	8 CONSTRUCT CURB RAMP	12 ADJUST WATER OR GAS VALVE TO GRADE	DRIVEWAY CONST.	1000 CP IP CONTROL POINT	
4 CONSTRUCT CURB & GUTTER	9A CONSTRUCT SIDEWALK	13 ADJUST WATER METER BOX TO GRADE	SIDEWALK	X-XX	PROPOSED STRUCTURE NUMBER
5 CONSTRUCT MANHOLE	9B CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK	14 ADJUST MANHOLE TO GRADE	BRICK STAMPED SIDEWALK		

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 STATE OF OKLAHOMA

6/20/2025

BEFORE YOU DIG OKIE 811 1-800-522-OKIE CALL OKIE

CONTROL:
CP# 2574 CP IRON PIN
131+34.58 41.33' LT
N=429233.66 E=2552928.98
ELEV.=703.492

REVISION	BY	DATE

PLAN & PROFILE (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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POE & ASSOCIATES INC.
Tulsa, Oklahoma

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	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
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HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED:			
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/1/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 40 OF 268 SHEETS

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6/20/2025

SEC. 33, T20N, R12E

SKYLINE RIDGE SIXTH

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

JB-6 (10) ST-06 (6)

420 L.F. (4)

JB-101 (10)

485 S.Y. 10' X 436' (9)

MH-7 (10)

ST-08 (6)

136+00 137+00 138+00 139+00 140+00

TOP/TOE PRES. R/W ESMT

PRES. R/W 60' PRES. R/W

W. HASKELL PL.

MH-8 (10)

TYPE A (8)

35 L.F. (4)

135+50 140+50

50'

SECTION LINE

N. GILCREASE MUSEUM RD. (N. 25th W. AVE)

TOP/TOE PRES. R/W ESMT

(6) ST-05

(4) 462 L.F.

(9) 556 S.Y. 10' X 500'

(6) ST-07

78.48' V.C.
K = 50.00

(1) 2245 S.Y.

12
BLKS. 7 - 14
GILCREASE HILLS CENTER
VILLAGE I

SEC 34, T20N, R12E

730 725 720 715 710 705 700 695

78.48' V.C.
K = 50.00

VPC STA. 137+60.76
ELEV.= 710.45

VPT STA. 138+39.24
ELEV.= 712.77

VPI STA. 138+00.00
ELEV.= 711.30

+2.17% +2.17% +3.74% +3.74%

EXIST. GROUND

PROPOSED GRADE

705.88	705.98	706.97	706.90	708.05	707.92	709.14	709.07	710.22	710.43	711.46	711.99	713.17	713.72	715.04	715.72	716.91	717.66	718.78	719.54	720.65

136+00 +50 137+00 +50 138+00 +50 139+00 +50 140+00 +50

CONTROL:

CP# 2575 CP IRON PIN
139+61.07 38.31' LT
N=430060.096 E=2552918.928
ELEV.=717.697

LEGEND

(1) PCC RECONSTRUCTION	(6) CONSTRUCT INLET	(10) CONSTRUCT JUNCTION BOX	PAVEMENT CONST.		
(2) MILL & OVERLAY	(7) CONSTRUCT DRIVEWAY	(11) ADJUST INLET TO GRADE	MILL & OVERLAY		
(3) TYPE I APC PATCH	(8) CONSTRUCT CURB RAMP	(12) ADJUST WATER OR GAS VALVE TO GRADE	DRIVEWAY CONST.	1000 CP IP CONTROL POINT	
(4) CONSTRUCT CURB & GUTTER	(9A) CONSTRUCT SIDEWALK	(13) ADJUST WATER METER BOX TO GRADE	SIDEWALK	X-XX	PROPOSED STRUCTURE NUMBER
(5) CONSTRUCT MANHOLE	(9B) CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK	(14) ADJUST MANHOLE TO GRADE	BRICK STAMPED SIDEWALK		

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA

6/20/2025

BEFORE YOU DIG OKIE 811 1-800-522-OKIE CALL OKIE

REVISION	BY	DATE

PLAN & PROFILE (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
	RECOMMENDED:			
VERTICAL 1" = 5'	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 41 OF 268 SHEETS

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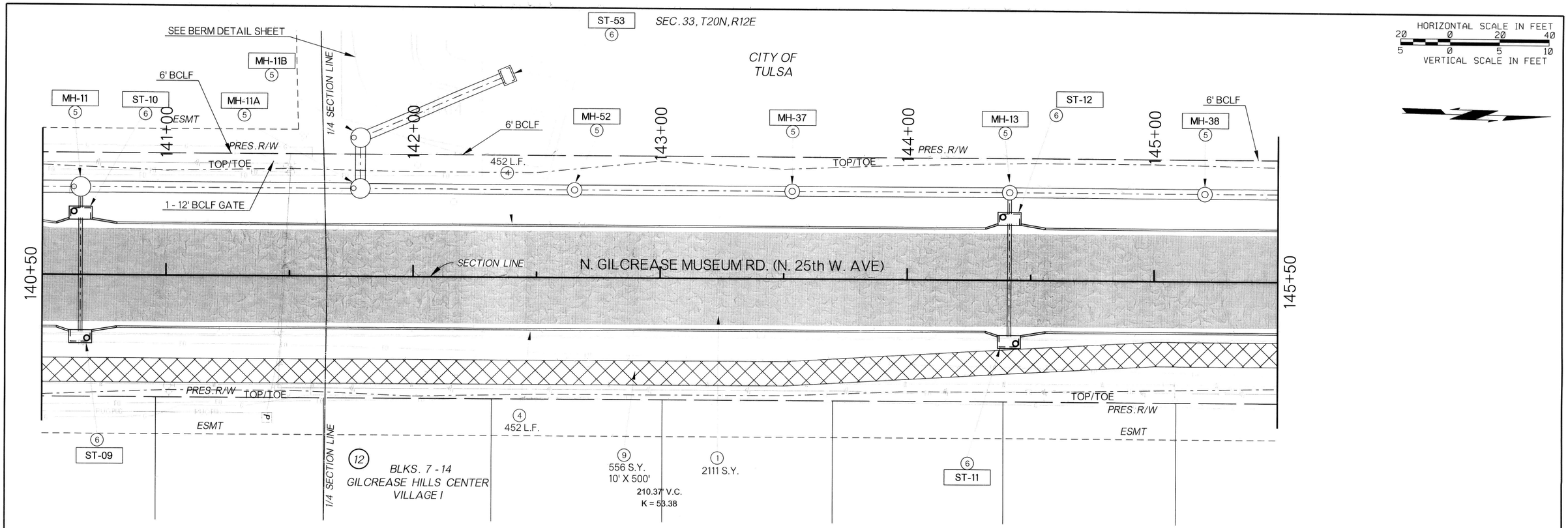
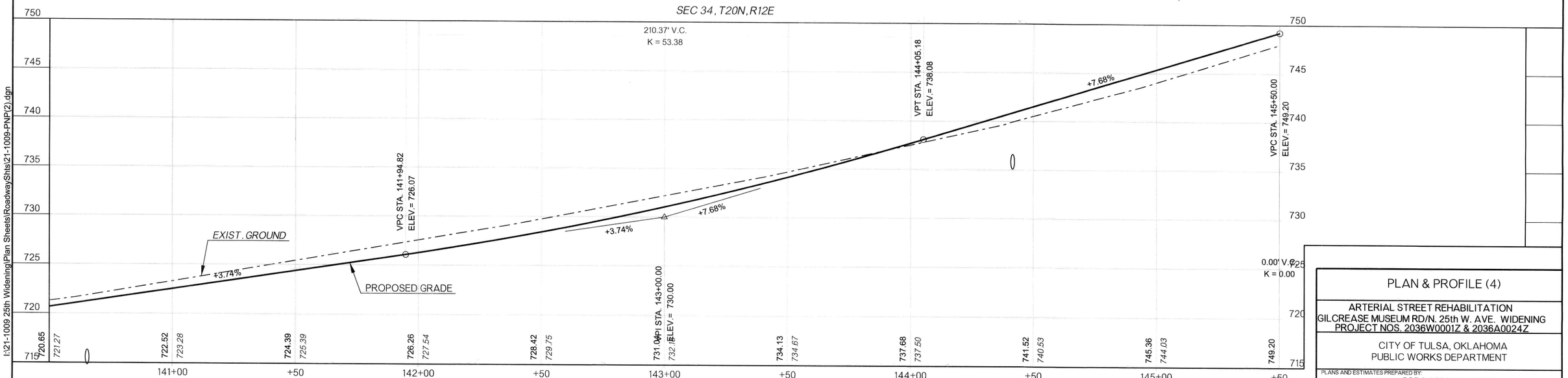
6/20/2025





LEGEND

1. PCC RECONSTRUCTION
2. MILL & OVERLAY
3. TYPE I APC PATCH
4. CONSTRUCT CURB & GUTTER
5. CONSTRUCT MANHOLE
6. CONSTRUCT INLET
7. CONSTRUCT DRIVEWAY
8. CONSTRUCT CURB RAMP
9A. CONSTRUCT SIDEWALK
9B. CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK
10. CONSTRUCT JUNCTION BOX
11. ADJUST INLET TO GRADE
12. ADJUST WATER OR GAS VALVE TO GRADE
13. ADJUST WATER METER BOX TO GRADE
14. ADJUST MANHOLE TO GRADE

PAVEMENT CONST.
MILL & OVERLAY
DRIVEWAY CONST.
SIDEWALK
BRICK STAMPED SIDEWALK

1000 CP IP CONTROL POINT

X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
811
1-800-522-OKIE
CALL OKIE

REVISION	BY	DATE

PLAN & PROFILE (4)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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Tulsa, Oklahoma

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	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED:			
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 42 OF 268 SHEETS

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6/20/2025

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

SEC. 33, T20N, R12E

6' BCLF
PROP WALL 'D'
CITY OF TULSA
SMD-11 (6)
MH-14 (5)
ST-12A (6)
MH-39 (5)
ST-14 (6)
MH-15 (5)
428 L.F. (4)
MH-40 (5)
ST-14A (6)
MH-16 (5)
+85.00
21.0
TOP/TOE
PRES. R/W
146+00
147+00
148+00
149+00
150+00
50'
145+50
150+50
SECTION LINE
N. GILCREASE MUSEUM RD. (N. 25th W. AVE)
W. INDEPENDENCE PL.
13.00
(4) 107 L.F.
ESMT
(8) TYPE A
(9) 100 S.Y. 10' X 90'
12
BLKS. 7 - 14
GILCREASE HILLS CENTER VILLAGE I
(4) 20 L.F.
50'
(8) TYPE A
(4) 20 L.F.
(6) ST13
(1) 2131 S.Y.
(4) 330 L.F.
(9) 362 S.Y. 10' X 326'
CONST. 300 L.F. OF 6' PRIVACY FENCE
FO TO BE ABONDONED

NOTE:
REFERENCE GEOMETRIC SHEET (2) FOR CENTERLINE ALIGNMENT GEOMETRY.

NOTE:
GRADING OUTSIDE OF THE RIGHT OF WAY WILL REQUIRE A RIGHT OF ENTRY AGREEMENT.

GILCREASE HILLS HOMEOWNER'S ASSOC.

SEC 34, T20N, R12E

EXIST. GROUND
PROPOSED GRADE
VPC STA. 145+50.00 ELEV.= 749.20
+7.68%
VPI STA. 147+50.00 ELEV.= 764.56
+3.61%
VPT STA. 149+50.00 ELEV.= 771.79
VPC STA. 149+65.00 ELEV.= 772.33
+3.61%
VPI STA. 150+25.00 ELEV.= 774.50
+1.11%
400.00' V.C. K = 98.39
120.00' V.C. K = 47.93

749.20	752.91	756.37	759.58	762.53	765.22	767.67	769.85	771.79	773.47	774.65
747.97	752.41	757.10	761.59	765.74	769.09	772.08	774.26	775.73	776.51	
146+00	+50	147+00	+50	148+00	+50	149+00	+50	150+00	+50	

780 775 770 765 760 755 750 745

CONTROL:
CP# 2576 CP IRON PIN
147+10.68 35.37' RT
N=430810.774 E=2552980.754
ELEV.=760.769

LEGEND

(1) PCC RECONSTRUCTION	(6) CONSTRUCT INLET	(10) CONSTRUCT JUNCTION BOX	PAVEMENT CONST.
(2) MILL & OVERLAY	(7) CONSTRUCT DRIVEWAY	(11) ADJUST INLET TO GRADE	MILL & OVERLAY
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1000 CP IP CONTROL POINT
X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA
6/20/2025

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

REVISION	BY	DATE

PLAN & PROFILE (5)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER	HB	7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 43 OF 268 SHEETS

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6/20/2025

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

SEC. 33, T20N, R12E

6' BCLF

PROP WALL 'D'

MH-5 (5)

MH-17 (5)

CITY OF TULSA

6' BCLF

SMD-12 (6)

ST-16 (6)

MARK S. & ANGELA M. SWIFT, TRUSTEES OF THE MARK S. SWIFT LIVING TRUST

MH-18 (5)

ST-18 (6)

MH-19 (6)

ST-55 (6)

MH-20 (5)

ST-46 (6)

6' AMERISTAR FENCE

MARK S. & ANGELA M. SWIFT, REVOCABLE TRUST DATED SEPT. 29, 2020

PROP WALL 'A'

MH-21 (5)

MH-44 (5)

151+00 | 152+00 | 153+00 | 154+00 | 155+00

+00.69

7.0

PRES. R/W

ESMT

PROP. SD/E

430 L.F. (4)

RD/E

TOP/TOE

50'

STA. 151+69.85
END TAPER
BEGIN STAMPED CONC.

30'

48.18'

SECTION LINE

N. GILCREASE MUSEUM RD. (N. 25th W. AVE)

150+50

155+50

CONST. 290 L.F. OF 6' PRIVACY FENCE

ST-15 (6)

ST-17 (6)

4 430 L.F.

1 1333 S.Y.

9 556 S.Y. 10' X 500'

50'

510.00' V.C.
K = 60.60

CITY OF TULSA

4

GILCREASE HILLS VILLAGE I

ST-45 (6)

NOTE:
GRADING OUTSIDE OF THE RIGHT OF WAY WILL REQUIRE A RIGHT OF ENTRY AGREEMENT.

GILCREASE HILLS HOMEOWNER'S ASSOC.

SEC 34, T20N, R12E

805

800

795

790

785

780

775

770

120.00' V.C.
K = 47.93

PVRC STA. 150+85.00
ELEV. = 775.17

EXIST. GROUND

PROPOSED GRADE

+1.11%

+9.53%

PVI STA. 153+40.00
ELEV. = 778.00

STA. 155+25.09, 0.58' LT
6' I.D. MANHOLE
TR = 796.03
IN: 18" CPP FL = 791.94 (N)
IN: 18" CPP FL = 790.73 (W)
IN: 18" CPP FL = 790.73 (E)
OUT: 30" CPP FL = 788.23 (S)

137.4 LF
18" CPP
@ 2.23%
U/S: 795.00
D/S: 791.94

774.65 776.70 | 775.35 776.24 | 776.24 776.09 | 777.54 776.47 | 779.25 777.62 | 781.37 779.85 | 783.91 782.81 | 786.85 788.07 | 790.21 794.90 | 793.99 802.34 | 798.17

151+00 | +50 | 152+00 | +50 | 153+00 | +50 | 154+00 | +50 | 155+00 | +50

LEGEND

1. PCC RECONSTRUCTION
2. MILL & OVERLAY
3. TYPE I APC PATCH
4. CONSTRUCT CURB & GUTTER
5. CONSTRUCT MANHOLE
6. CONSTRUCT INLET
7. CONSTRUCT DRIVEWAY
8. CONSTRUCT CURB RAMP
9A. CONSTRUCT SIDEWALK
9B. CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK
10. CONSTRUCT JUNCTION BOX
11. ADJUST INLET TO GRADE
12. ADJUST WATER OR GAS VALVE TO GRADE
13. ADJUST WATER METER BOX TO GRADE
14. ADJUST MANHOLE TO GRADE

PAVEMENT CONST.
MILL & OVERLAY
DRIVEWAY CONST.
SIDEWALK
BRICK STAMPED SIDEWALK

1000 CP IP CONTROL POINT

X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

BEFORE YOU DIG
1-800-522-OKIE
811
CALL OKIE

PLAN & PROFILE (6)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 44 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\RoadwaySht s\21-1009-PNP(2).dgn

6/20/2025

SEC. 33, T20N, R12E

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

MARK S. & ANGELA M. SWIFT, REVOCABLE TRUST DATED SEPT. 29, 2020

SMD-9 (6)

PROP. WALL A

6' BCLF

MH-22 (5)

SID CONWAY

MH-23 (5)

ST-48 (6)

MH-24 (5)

PATRICIA MANDRELL

6' BCLF (15)

MH-25 (5)

PROP. WALL A

ST-21 (6)

MICHAEL McELWAINE, TRUSTEE OF THE MICHAEL McELWAINE REVOCABLE LIVING TRUST DATED FEB. 2, 2017

156+00 | 157+00 | 158+00 | 159+00 | 160+00

ESMT | 20' | TOP/TOE | ESMT | PRES. R/W | PAVED DITCH

452 L.F. (4)

RD/E | RD/E | RD/E

PRES. R/W | PRES. R/W | 30" | 50"

155+50 | N. GILCREASE MUSEUM RD. (N. 25th W. AVE.) | SECTION LINE | 160+50

50"

PRES. R/W | PRES. R/W

ESMT | ESMT

(4) 452 L.F.

TOP/TOE

4

GILCREASE HILLS VILLAGE I

CITY OF TULSA

(6) ST-47

(1) 1333 S.Y.

(9) 556 S.Y. 10' X 500'

(6) ST-20

SEC 34, T20N, R12E

830 | 850 | 830 | 850

510.00' V.C.
K = 60.60

STA. 156+62.51, 0.23' RT
4' I.D. MANHOLE
TR = 808.71
IN: 18" CPP FL = 803.20 (N)
OUT: 18" CPP FL = 795.00 (S)

STA. 157+58.50, 0.79' RT
5' I.D. MANHOLE
TR = 817.86
IN: 18" CPP FL = 812.36 (N)
IN: 18" CPP FL = 812.36 (W)
IN: 18" CPP FL = 812.36 (E)
OUT: 18" CPP FL = 807.00 (S)

STA. 158+42.85, 0.83' RT
4' I.D. MANHOLE
TR = 825.86
IN: 18" CPP FL = 820.36 (N)
OUT: 18" CPP FL = 815.73 (S)

500.00' V.C.
K = 31.82

STA. 159+50.18, 0.23' RT
5' I.D. MANHOLE
TR = 833.83
IN: 18" CPP FL = 828.72 (E)
IN: 18" CPP FL = 828.72 (W)
OUT: 18" CPP FL = 823.73 (S)

EXIST. GROUND | EXIST. GROUND | PROPOSED GRADE | PROPOSED GRADE

MH-22 | MH-23 | MH-24 | MH-25

VPT STA. 155+95.00
ELEV.= 802.29

+9.53% | +9.53%

137.4 LF 18" CPP @ 2.23%
U/S: 795.00
D/S: 791.94

96.0 LF 18" CPP @ 3.96%
U/S: 807.00
D/S: 803.20

84.4 LF 18" CPP @ 3.99%
U/S: 815.73
D/S: 812.36

107.3 LF 18" CPP @ 3.14%
U/S: 823.73
D/S: 820.36

VPC STA. 158+30.00
ELEV.=824.68

798.17	809.91	802.77	816.87	807.53	823.04	812.30	828.70	817.06	833.35	821.82	837.77	826.52	830.58	843.84	833.85	845.87	836.34	846.93	838.04

156+00 | +50 | 157+00 | +50 | 158+00 | +50 | 159+00 | +50 | 160+00 | +50

CONTROL:

CP# 26 CP IRON PIN
158+84.56 25.60' RT
N=431984.406 E=2552957.542
ELEV.=842.846

CP# 1484 CP 60d NAIL
156+06.78 28.27' RT
N=431706.351 E=2552962.317
ELEV.=824.813

CP# 1485 CP IP, YELLOW CAP
156+63.03 31.08' RT
N=431762.61 E=2552964.896
ELEV.=830.615

LEGEND

(1) PCC RECONSTRUCTION	(6) CONSTRUCT INLET	(10) CONSTRUCT JUNCTION BOX	PAVEMENT CONST.
(2) MILL & OVERLAY	(7) CONSTRUCT DRIVEWAY	(11) ADJUST INLET TO GRADE	MILL & OVERLAY
(3) TYPE I APC PATCH	(8) CONSTRUCT CURB RAMP	(12) ADJUST WATER OR GAS VALVE TO GRADE	DRIVEWAY CONST.
(4) CONSTRUCT CURB & GUTTER	(9A) CONSTRUCT SIDEWALK	(13) ADJUST WATER METER BOX TO GRADE	SIDEWALK
(5) CONSTRUCT MANHOLE	(9B) CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK	(14) ADJUST MANHOLE TO GRADE	BRICK STAMPED SIDEWALK

1000 CP IP CONTROL POINT

X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

500.00' V.C.
K = 31.82

REVISION	BY	DATE

PLAN & PROFILE (7)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			6/25
HORIZONTAL: 1" = 20'	LEAD ENGR.			6/25
	FIELD MGR.			6/25
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/2/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 45 OF 268 SHEETS

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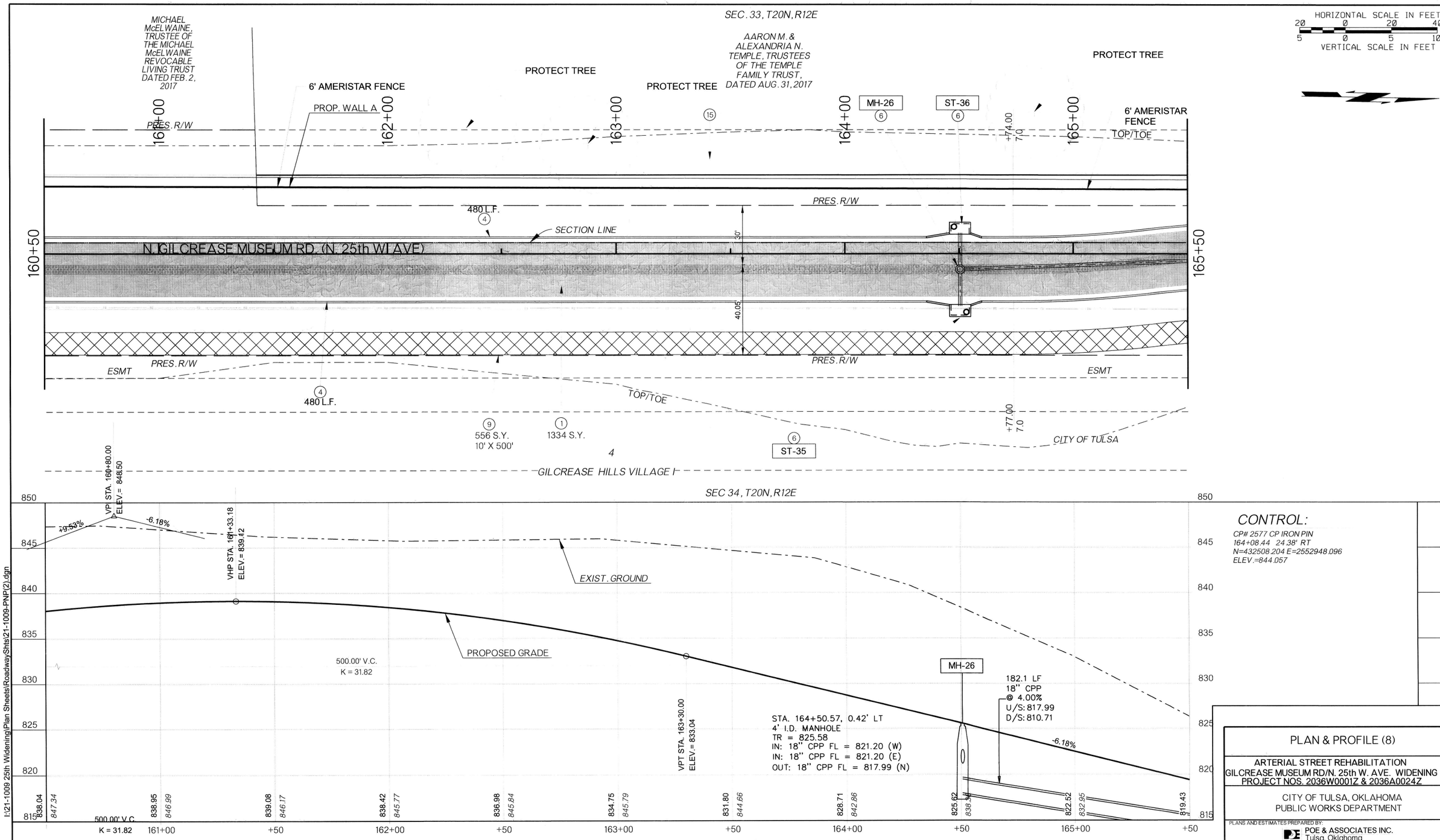
6/20/2025



CONTROL:

CP# 2577 CP IRON PIN
164+08.44 24.38' RT
N=432508.204 E=2552948.096
ELEV.=844.057

LEGEND

1 PCC RECONSTRUCTION	6 CONSTRUCT INLET	10 CONSTRUCT JUNCTION BOX	PAVEMENT CONST.
2 MILL & OVERLAY	7 CONSTRUCT DRIVEWAY	11 ADJUST INLET TO GRADE	MILL & OVERLAY
3 TYPE I APC PATCH	8 CONSTRUCT CURB RAMP	12 ADJUST WATER OR GAS VALVE TO GRADE	DRIVEWAY CONST.
4 CONSTRUCT CURB & GUTTER	9A CONSTRUCT SIDEWALK	13 ADJUST WATER METER BOX TO GRADE	SIDEWALK
5 CONSTRUCT MANHOLE	9B CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK	14 ADJUST MANHOLE TO GRADE	BRICK STAMPED SIDEWALK

1000 CP IP CONTROL POINT

X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA

6/20/2025

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

REVISION	BY	DATE

PLAN & PROFILE (8)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED: HAS 7-25			
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 46 OF 268 SHEETS

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6/20/2025

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

AARON M. & ALEXANDIA N. TEMPLE, TRUSTEES OF THE TEMPLE FAMILY TRUST, DATED AUG. 31, 2017

SEC. 33, T20N, R12E

6' AMERISTAR FENCE

MH-53 (5) ST-44 (6) SMD-6 (6) (15)

PROP. WALL A (6) ST-39 (6)

6' AMERISTAR FENCE 1368 S.Y. (1) 193 L.F. (4)

PROP. WALL A (15) MH-27 (5)

+92.08 14.0

166+00 167+00 168+00 169+00 170+00

TOP/TOE PROP. R/W PRES. R/W

30' 50' 40'

SECTION LINE

MH-4 (5)

ST-24 (6) PROP. R/W

CITY OF TULSA

TYPE A (8) ST-23 (6) SMD-10 (6)

122 S.Y. 5' X 220' (9)

PROP. WALL B-1 187 L.F. (4)

Gilcrease Museum Road

N. GILCREASE MUSEUM RD. (N. 25th W. AVE)

W. NEWTON ST. SECTION LINE

TOP/TOE ESMT PRES. R/W 193 L.F. (4) (5) MH-28

TYPE A (8)

CITY OF TULSA

250 S.Y. 10' X 225' (9)

ST-38 (6) HW-2 (6)

140.00' V.C. K = 14.05

TOP/TOE PROP. WALL C MH-29 (5) 188 L.F. (4) ESMT

PROP. R/W PROP. U/E ST-40 (6) TYPE A (8)

240 S.Y. 10' X 216' (9)

6' PRIVACY FENCE

(4) GILCREASE HILLS VILLAGE I

SEC 34, T20N, R12E

(1) GILCREASE HILLS VILLAGE I BLKS. 1,2,& 3

830 825 820 815 810 805 800 795

140.00' V.C. K = 14.05

MH-27 MH-28 MH-4 MH-29

-6.18% +3.78% -6.18% +3.78%

EXIST. GROUND PROPOSED GRADE

VPC STA. 166+60.00 ELEV.= 812.63

VPI STA. 167+30.00 ELEV.= 808.30

VPT STA. 168+00.00 ELEV.= 810.95

VPC STA. 170+20.00 ELEV.= 819.27

VLP STA. 167+45.88 ELEV.= 809.94

182.1 LF 18" CPP @ 4.00% U/S: 817.99 D/S: 810.71

STA. 166+32.82, 0.01' LT
4' I.D. MANHOLE
TR = 814.35
IN: 18" CPP FL = 810.71 (S)
OUT: 18" CPP FL = 809.21 (N)

112.6 LF 18" CPP @ 4.24% U/S: 809.21 D/S: 804.44

STA. 167+45.45, 0.01' LT
6' I.D. MANHOLE
TR = 809.95
IN: 18" CPP FL = 804.44 (S)
IN: 36" CPP FL = 802.94 (W)
OUT: 42" CPP FL = 802.44 (E)

STA. 168+23.54, 0.05' RT
8' I.D. MANHOLE
TR = 811.82
IN: 36" CPP FL = 804.68 (N)
IN: 18" CPP FL = 804.93 (W)
OUT: 36" CPP FL = 796.91 (E)

51.3 LF 36" CPP @ 1.27% U/S: 805.33 D/S: 804.68

STA. 168+75.49, 0.00' LT
6' I.D. MANHOLE
TR = 813.79
IN: 36" CPP FL = 807.33 (N)
IN: 36" CPP FL = 805.33 (E)
IN: 18" CPP FL = 806.83 (W)
OUT: 36" CPP FL = 805.33 (S)

231.8 LF 36" CPP @ 1.26% U/S: 810.26 D/S: 807.33

140.00' V.C. K = 30.90

819.43	826.36	816.34	820.07	813.25	815.13	810.72	811.97	VPI STA. 167+30.00 ELEV.= 808.30	809.94	810.52	810.95	810.33	812.84	811.27	814.73	813.71	816.62	816.06	818.51	818.10	140.00' V.C. K = 30.90	820.25
166+00		+50		167+00		+50					168+00		+50		169+00		+50		170+00		+50	

LEGEND

1. PCC RECONSTRUCTION
2. MILL & OVERLAY
3. TYPE I APC PATCH
4. CONSTRUCT CURB & GUTTER
5. CONSTRUCT MANHOLE
6. CONSTRUCT INLET
7. CONSTRUCT DRIVEWAY
8. CONSTRUCT CURB RAMP
9A. CONSTRUCT SIDEWALK
9B. CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK
10. CONSTRUCT JUNCTION BOX
11. ADJUST INLET TO GRADE
12. ADJUST WATER OR GAS VALVE TO GRADE
13. ADJUST WATER METER BOX TO GRADE
14. ADJUST MANHOLE TO GRADE

PAVEMENT CONST.
MILL & OVERLAY
DRIVEWAY CONST.
SIDEWALK
BRICK STAMPED SIDEWALK

1000 CP IP CONTROL POINT

X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA

6/20/2025

BEFORE YOU DIG 1-800-522-OKIE CALL OKIE

PLAN & PROFILE (9)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

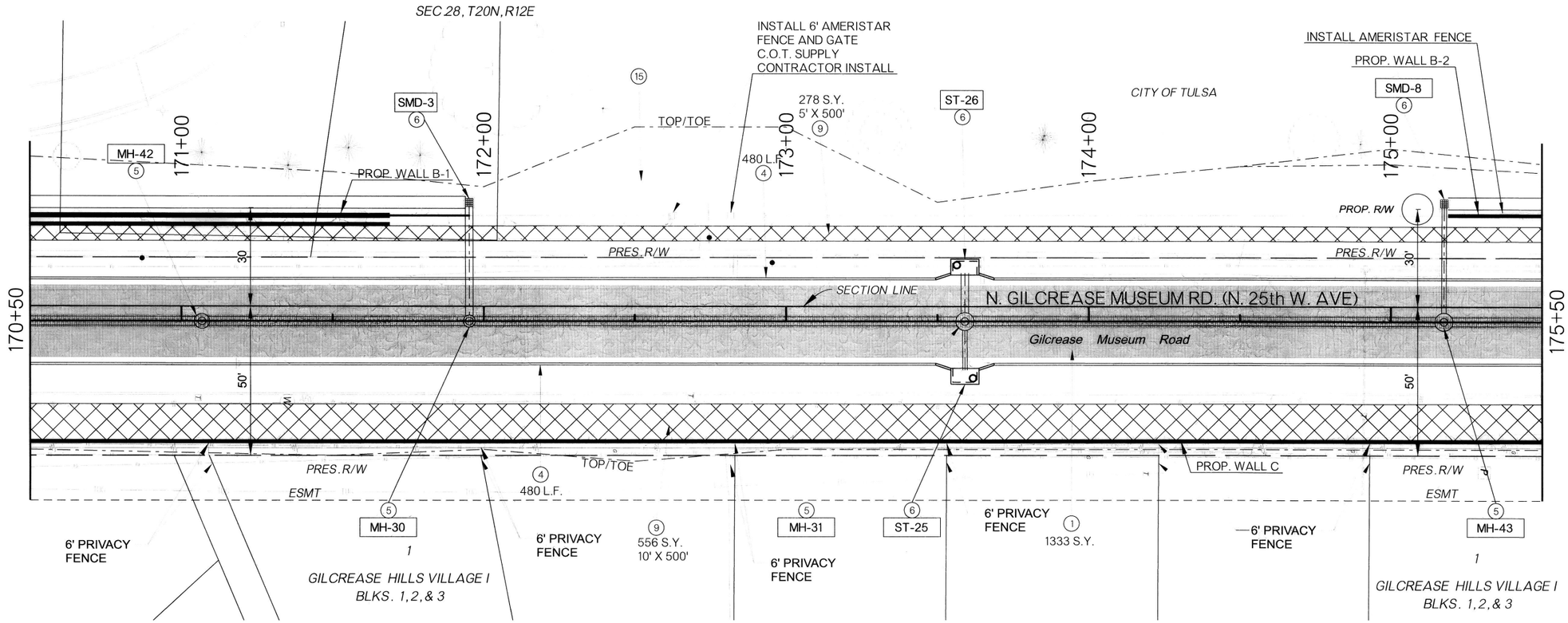
REVISION	BY	DATE

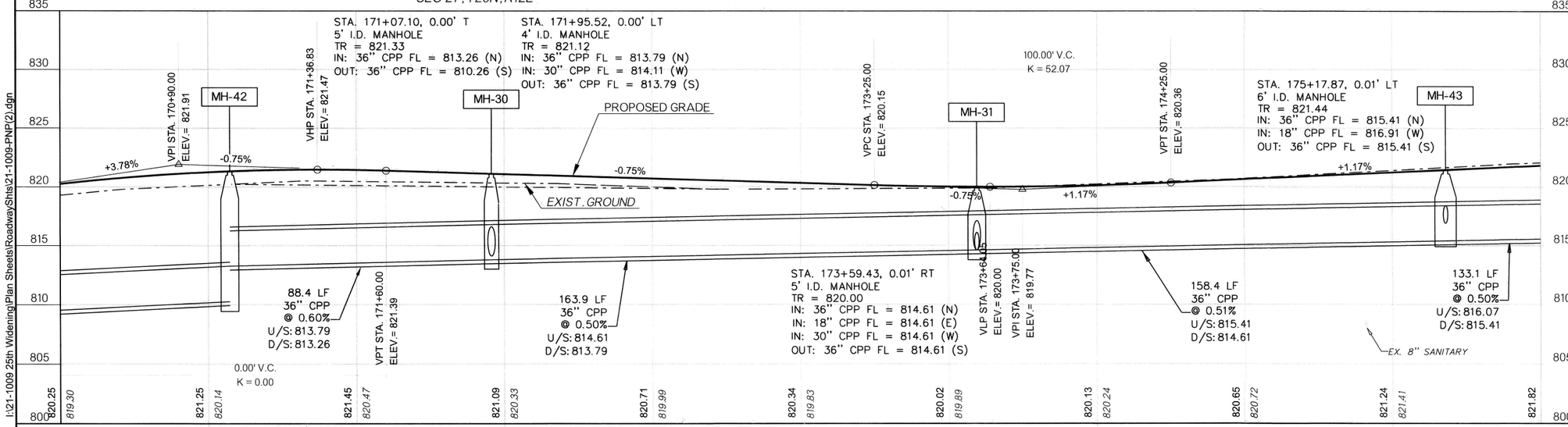
PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 47 OF 268 SHEETS

H:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-PNP(2).dgn

6/20/2025

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET





CONTROL:

CP# 2578 CP IRON PIN
171+29.22 21.57' RT
N=433228.849 E=2552933.928
ELEV.=821.213

PLAN & PROFILE (10)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

LEGEND

1. PCC RECONSTRUCTION
2. MILL & OVERLAY
3. TYPE I APC PATCH
4. CONSTRUCT CURB & GUTTER
5. CONSTRUCT MANHOLE
6. CONSTRUCT INLET
7. CONSTRUCT DRIVEWAY
8. CONSTRUCT CURB RAMP
9A. CONSTRUCT SIDEWALK
9B. CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK
10. CONSTRUCT JUNCTION BOX
11. ADJUST INLET TO GRADE
12. ADJUST WATER OR GAS VALVE TO GRADE
13. ADJUST WATER METER BOX TO GRADE
14. ADJUST MANHOLE TO GRADE

PAVEMENT CONST.
MILL & OVERLAY
DRIVEWAY CONST.
SIDEWALK
BRICK STAMPED SIDEWALK

1000 CP IP CONTROL POINT
X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA
6/20/2025

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
PROFILE SCALE:	SURVEY	MW	3/2022	
HORIZONTAL: 1" = 20'	PROJ. MGR.		6/25	
	LEAD ENGR.		6/25	
VERTICAL 1" = 5'	FIELD MGR.		6/25	
	RECOMMENDED:		7-25	
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 48 OF 268 SHEETS

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6/20/2025

SEC 28, T20N, R12E

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

CITY OF TULSA

150 S.Y.
25' X 47'

128 S.Y.
5' X 231'
(9)

SMD-13
(6)

ST-27
(6)

INSTALL 6' AMERISTAR FENCE

136 S.Y.
5' X 244'
(9)

6X4 CONCRETE APRON W/ 2' DEEP CURTAIN WALL, LEVEL WITH EXISTING ROCK AT WEST EDGE

ST-31
(6)

(15)

176+00

260 L.F.
(4)

PROP. WALL B-2

TOP/TOE

MH-55
(5)

177+00

WTR. ESMT

WTR. ESMT

178+00

179+00

PROP. WALL E
232 L.F.
(4)

TOP/TOE

180+00

(15)

PRES. R/W

PRES. R/W

N. GILCREASE MUSEUM RD. (N. 25th W. AVE)

26.44'

SECTION LINE

175+50

Gilcrease Museum Road

180+50

40.05'

PRES. R/W

PRES. R/W

ESMT

6' PRIVACY FENCE

(6) MH-32

(6) SMD-4

6' PRIVACY FENCE

(4) 480 L.F.

6' PRIVACY FENCE

(1) 1333 S.Y.

6' PRIVACY FENCE

(6) MH-33

PROP. WALL C

TOP/TOE

(9) 556 S.Y.
10' X 500'
6' PRIVACY FENCE

(6) ST-30

(6) SMD-5

(6) MH-34

6' PRIVACY FENCE

ESMT

6' PRIVACY FENCE

1

GILCREASE HILLS VILLAGE I
BLKS. 1, 2, & 3

SEC 27, T20N, R12E

840 840

STA. 176+50.97, 0.01' LT
5' I.D. MANHOLE
TR = 823.00
IN: 24" CPP FL = 817.07 (N)
IN: 18" CPP FL = 816.07 (E)
OUT: 36" CPP FL = 816.07 (S)

STA. 177+58.30, 0.00' LT
6' I.D. MANHOLE
TR = 824.13
IN: 24" CPP FL = 817.79 (N)
IN: 18" CPP FL = 819.79 (W)
OUT: 24" CPP FL = 817.79 (S)

STA. 178+06.98, 0.00' T
5' I.D. MANHOLE
TR = 824.42
IN: 24" CPP FL = 818.06 (W)
OUT: 24" CPP FL = 818.05 (S)

STA. 179+91.42, 0.00' T
6' I.D. MANHOLE
TR = 823.76
IN: 30" CPP FL = 816.74 (N)
IN: 30" CPP FL = 814.24 (S)
OUT: 30" CPP FL = 814.24 (W)

835 835

MH-32

MH-55

MH-33

MH-34

MH-49

830 830

VHP STA. 177+97.38
ELEV.= 824.40

VPI STA. 177+97.38
ELEV.= 824.75

PROPOSED GRADE

VPC STA. 178+90.00
ELEV.= 823.58

320.00' V.C.
K = 34.35

825 825

+1.17%

+1.17%

-1.30%

-1.30%

-1.30%

EXIST. GROUND

STA. 179+37.36, 0.00' T
6' I.D. MANHOLE
TR = 823.29
IN: 30" CPP FL = 816.82 (E)
IN: 30" CPP FL = 816.82 (W)
OUT: 30" CPP FL = 814.32 (N)

820 820

815 815

133.1 LF
36" CPP
@ 0.50%
U/S: 816.07
D/S: 815.41

107.3 LF
24" CPP
@ 0.67%
U/S: 817.79
D/S: 817.07

VPC STA. 177+50.00
ELEV.= 824.16

48.7 LF
24" CPP
@ 0.53%
U/S: 818.05
D/S: 817.79

0.00' V.C.
K = 0.00

VPT STA. 178+50.00
ELEV.= 824.10

VLP STA. 179+34.65
ELEV.= 823.29

51.8 LF
30" CPP
@ 0.15%
U/S: 814.32
D/S: 814.24

137.8 LF
30" CPP
@ 1.13%
U/S: 818.30
D/S: 816.74

VPI STA. 180+50.00
ELEV.= 821.50

810 810

805 805

821.82 822.06 | 822.41 822.57 | 822.99 823.07 | 823.58 823.53 | 824.16 824.03 | 824.44 824.36 | 824.10 823.89 | 823.46 823.38 | 823.32 822.83 | 823.91 822.70 | 825.23

176+00 +50 177+00 +50 178+00 +50 179+00 +50 180+00 +50

CONTROL:

CP# 25 CP "X"
178+15.77 45.78' LT
N=433914.25 E=2552855.731
ELEV.=826.544

CP# 2579 CP IRON PIN
179+52.06 14.67' LT
N=434051.016 E=2552884.685
ELEV.=821.441

LEGEND

(1) PCC RECONSTRUCTION	(6) CONSTRUCT INLET	(10) CONSTRUCT JUNCTION BOX	PAVEMENT CONST.
(2) MILL & OVERLAY	(7) CONSTRUCT DRIVEWAY	(11) ADJUST INLET TO GRADE	MILL & OVERLAY
(3) TYPE I APC PATCH	(8) CONSTRUCT CURB RAMP	(12) ADJUST WATER OR GAS VALVE TO GRADE	DRIVEWAY CONST.
(4) CONSTRUCT CURB & GUTTER	(9A) CONSTRUCT SIDEWALK	(13) ADJUST WATER METER BOX TO GRADE	SIDEWALK
(5) CONSTRUCT MANHOLE	(9B) CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK	(14) ADJUST MANHOLE TO GRADE	BRICK STAMPED SIDEWALK

1000 CP IP CONTROL POINT

X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA

6/20/2025

BEFORE YOU DIG 1-800-522-OKIE 811 CALL OKIE

REVISION	BY	DATE

PLAN & PROFILE (11)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED:	HAS	7-25	CITY ENGINEER
	DESIGN MANAGER			DATE: 7/8/2025
FILE: H:\21-1009	DRAWING:			SHEET 49 OF 268 SHEETS
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-PNP(2).dgn

6/20/2025

SEC 28, T20N, R12E

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

46 S.Y.
5' X 82'
(9)

CITY OF TULSA

PROP. WALL E

TOP/TOE

181+00

TYPE A (8)

1/16 SECTION LINE

INSTALL 6' AMERISTAR FENCE

THE FRANCES E. WILLARD HOME, A CORPORATION
766 S.Y. (1)

6' BCLF

THE FRANCES E. WILLARD HOME, A CORPORATION

182+00

MH-35 (5) MH-36 (5) MH-50 (5) ST-42 (6)

PRES. R/W

PRES. R/W

TOP/TOE

153 L.F. (4)

PRES. R/W

35'-2"

16.5'

SECTION LINE

50'

50'

180+50

Gilcrease Museum Road

N. GILCREASE MUSEUM RD. (N. 25th W. AVE)

(4) 75 L.F.

50.0'

(8) TYPE A

PRES. R/W

PRES. R/W

ESMT

(9) 72 S.Y. 10' X 65'

6' PRIVACY FENCE

(6) GPI-41

TOP/TOE

GILCREASE HILLS VILLAGE II

3

(4) 32 L.F.

(4) 82 L.F.

(9) 11 S.Y. 5' X 20'

(6) SMD-7

W. PINE ST.

STA. 182+19.26
END PC RECONSTRUCTION

(1) GILCREASE HILLS VILLAGE I

BLKS. 1, 2, & 3

20' 30' 50'

SEC 27, T20N, R12E

845

320.00' V.C.
K = 34.35

VPT STA. 182+10.00
ELEV. = 834.33

VPI STA. 182+83.26
ELEV. = 840.20

840

835

830

825

820

815

810

STA. 181+31.37, 0.00' T
6' I.D. MANHOLE
TR = 828.92
IN: 18" CPP FL = 820.80 (N)
IN: 18" CPP FL = 819.30 (E)
OUT: 30" CPP FL = 818.30 (S)

MH-35

+8.02%

+8.02%

PROPOSED GRADE

EXIST. GROUND

137.8 LF
30" CPP
@ 1.13%
U/S: 819.69
D/S: 819.30

VPI STA. 180+50.00
ELEV. = 821.50

825.23 824.33

827.27 826.47

830.04 829.56

833.54 833.51

837.53 837.10

181+00 +50 182+00 +50

CONTROL:

CP# 160 CP 60d NAIL
180+69.20 11.08' LT
N=434168.193 E=2552886.423
ELEV.=823.906

CP# 3152 3/8" I.P.(OLD RW COR.)
182+09.25 42.81' RT
N=434309.893 E=2552936.988
ELEV.=841.986

LEGEND

(1) PCC RECONSTRUCTION	(6) CONSTRUCT INLET	(10) CONSTRUCT JUNCTION BOX	PAVEMENT CONST.
(2) MILL & OVERLAY	(7) CONSTRUCT DRIVEWAY	(11) ADJUST INLET TO GRADE	MILL & OVERLAY
(3) TYPE I APC PATCH	(8) CONSTRUCT CURB RAMP	(12) ADJUST WATER OR GAS VALVE TO GRADE	DRIVEWAY CONST.
(4) CONSTRUCT CURB & GUTTER	(9A) CONSTRUCT SIDEWALK	(13) ADJUST WATER METER BOX TO GRADE	SIDEWALK
(5) CONSTRUCT MANHOLE	(9B) CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK	(14) ADJUST MANHOLE TO GRADE	BRICK STAMPED SIDEWALK

1000 CP IP CONTROL POINT

X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

REVISION	BY	DATE

PLAN & PROFILE (12)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	DJD	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.	JTB	6/25	
	FIELD MGR.	BMH	6/25	
VERTICAL 1" = 5'	RECOMMENDED	HAS	7-25	
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 50 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\Roadway\Shts\21-1009-PNP(2).dgn

6/20/2025

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET

28+00 | 29+00 | 30+00 | 31+00 | 32+00 | 33+00

285 S.Y. (1)
35 L.F. (4)
9 L.F. (4)
250 L.F. (4)
15 L.F. (4)
117 L.F. (4)
250 L.F. (4)
580 S.Y. (1)

N 432,896.5507
E 2,552,717.5826
N 432,897.5830
E 2,552,783.0755
N 432,899.7027
E 2,552,917.5578
N 432,902.2309
E 2,552,917.5180
N 432,904.0515
E 2,553,170.7833
N 432,904.3874
E 2,553,217.5103

W. NEWTON ST. N89°05'49"E 200.00'
W. NEWTON ST. C.R.L. N89°35'17"E 300.00'

CAUTION!! O.H. POWER LINES IN AREA
CAUTION!! O.H. POWER LINES IN AREA
CAUTION!! O.H. POWER LINES IN AREA

INSTALL 6' AMERISTAR FENCE
INSTALL 2-8' LONG x 6' TALL AMERISTAR FENCE
INSTALL 6' AMERISTAR FENCE

STA. 28+65 BEGIN RECONSTRUCTION MATCH EXISTING

STA. 32+52.93 END RECONSTRUCTION MATCH EXISTING

BENCHMARK:

CP# 48, TARGET X
STA. 400+27.27, 44.22' LT
N= 428623.236
E= 2550168.998
ELEV.= 675.447

C.R.L. N. GILCREASE MUSEUM RD. (N. 25th W. AVE)

PVI 28+65.00 ELEV. 819.40
PVC 29+48.00 ELEV. 812.40
PVT 29+78.00 ELEV. 810.87
PVI 29+88.00 ELEV. 810.69
PVI 29+63.00 ELEV. 811.13
PVI 30+12.00 ELEV. 810.75
PVC 30+21.00 ELEV. 810.59
PVI 30+46.00 ELEV. 810.16
PVT 30+71.00 ELEV. 807.73
PVC 31+48.73 ELEV. 800.38
PVT 31+73.73 ELEV. 798.00
PVT 31+98.73 ELEV. 796.42
PVI 32+52.93 ELEV. 793.00

L= 30.00' K= 4.49
L= 50.00' K= 6.43
L= 50.00' K= 15.61

-8.44% +1.76% -1.75% -9.52% -6.31%

EX. GASLINE

	28+00	+50	29+00	+50	30+00	+50	31+00	+50	32+00	+50	33+00
825	825.90										
820		820.84									
815			816.45	816.54							
810				812.23	812.93	810.33	805.02	801.68	796.34	795.81	793.18	793.12
805							803.43	803.03			
800									800.26	798.56	
795			760				785				

LEGEND

1. PCC RECONSTRUCTION
2. MILL & OVERLAY
3. TYPE I APC PATCH
4. CONSTRUCT CURB & GUTTER
5. CONSTRUCT MANHOLE
6. CONSTRUCT INLET
7. CONSTRUCT DRIVEWAY
8. CONSTRUCT CURB RAMP
9A. CONSTRUCT SIDEWALK
9B. CONSTRUCT BRICK STAMPED CONCRETE SIDEWALK
10. CONSTRUCT JUNCTION BOX
11. ADJUST INLET TO GRADE
12. ADJUST WATER OR GAS VALVE TO GRADE
13. ADJUST WATER METER BOX TO GRADE
14. ADJUST MANHOLE TO GRADE

PAVEMENT CONST.
MILL & OVERLAY
DRIVEWAY CONST.
SIDEWALK
BRICK STAMPED SIDEWALK

1000 CP IP CONTROL POINT
X-XX PROPOSED STRUCTURE NUMBER

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA
6/20/2025

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

REVISION	BY	DATE

PLAN & PROFILE (01)
W. NEWTON STREET - Sta. 28+65 TO 32+52.93

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED DESIGN MANAGER		7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-PNP-NEWTON			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 51 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-PNP-NEWTON.dgn
6/20/2025

20 0 20 40
HORIZONTAL SCALE IN FEET

N=430338.94
E=2552370.08

N=430318.21
E=2552325.55

734.00
733.00
732.00
731.00
731.00
730.00
731.00
732.00
733.00
GRADING LIMITS
GRADING LIMITS

MATCH LINE STA. 142+00, 300' LT

N=430462.49
E=2552884.69

PLSS QUARTER LINE

N=430360.22
E=2552871.88

MH-52

N=430351.37
E=2552907.08

728.00
727.00
727.00
728.00
729.00

ST-53

30'
1:10 RAMP

142+00

MH-11A
MH-11B

N=430462.49
E=2552884.69

MATCH LINE STA. 142+00, 300' LT

GRADING LIMITS
727.00
726.00
729.00
728.00
GRADING LIMITS
12.1'
1/4 SECTION LINE
726.00
725.00

141+00

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

BEFORE YOU DIG
811
1-800-522-OKIE
CALL OKIE

WATER DIVERSION BERM
PLAN VIEW

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

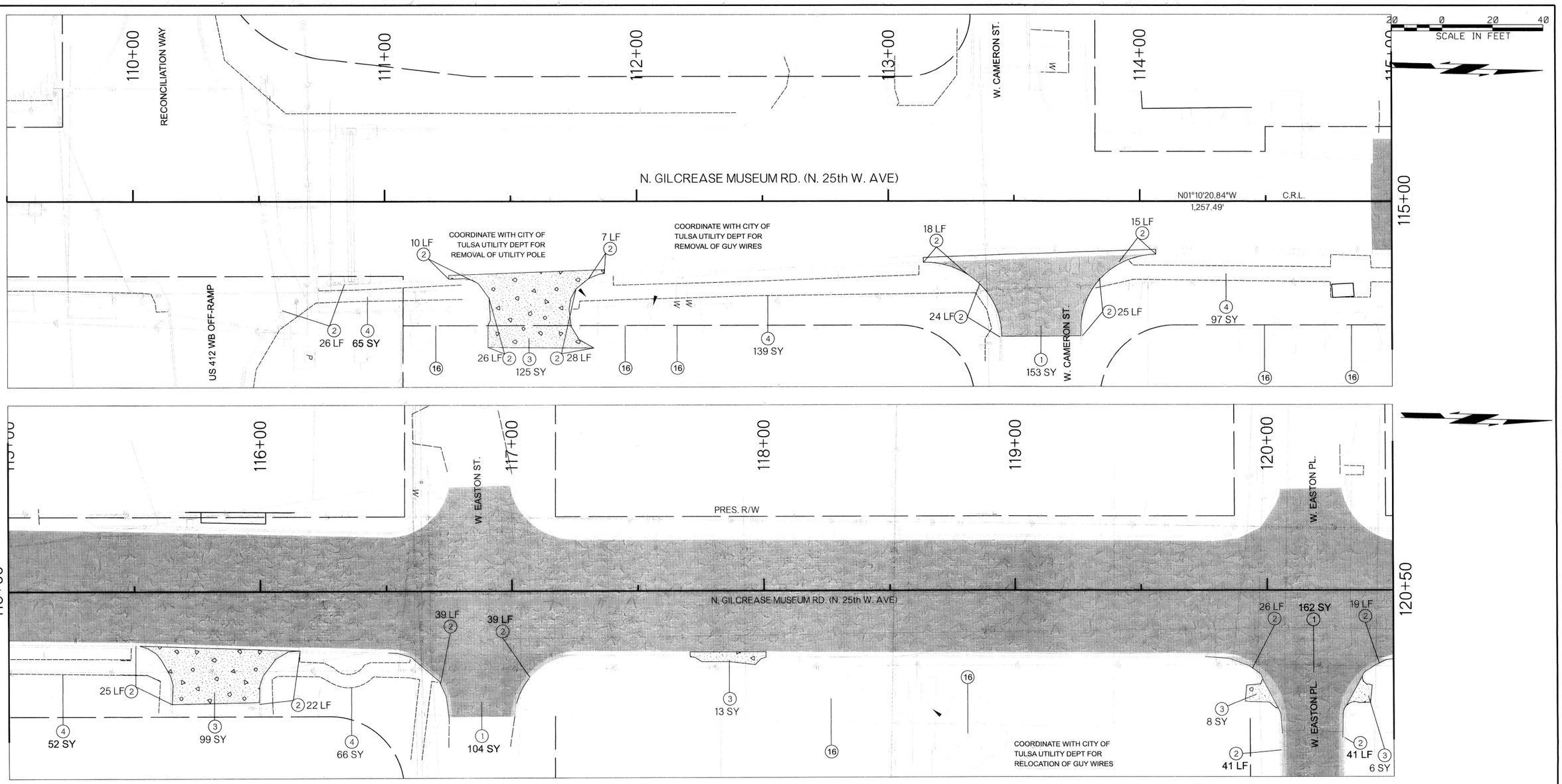
REVISION	BY	DATE

PLAN SCALE: 1" = 20'
PROFILE SCALE:
HORIZONTAL: 1" = 20'
VERTICAL 1" = 5'
FILE: H:\21-1009
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

DRAWN POE 06/2023
DESIGNED POE 06/2023
SURVEY
PROJ. MGR. TDW 6/25
LEAD ENGR. BDC 6/25
FIELD MGR. BMM 6/25
RECOMMENDED HAS 7-25
DESIGN MANAGER
DRAWING: 21-1009-Water Diversion Berm N. of Haskell Pl.

APPROVED:
CITY ENGINEER
DATE: 7/7/2025

SHEET 52 OF 268 SHEETS



LEGEND

(1) REMOVE PAVEMENT	(6) REMOVE INLET/PIPE	(11) REMOVE CURB RAMP		SIDEWALK REMOVAL
(2) REMOVE CURB & GUTTER	(7) MILL & OVERLAY	(12) REMOVE TRAFFIC ITEM		PAVEMENT REMOVAL
(3) REMOVE DRIVEWAY	(8) PATCHING	(13) REMOVE CROSS DRAIN		DRIVEWAY REMOVAL
(4) REMOVE SIDEWALK	(9) REMOVE GUARDRAIL	(14) REMOVE HEADWALL		
(5) REMOVE MANHOLE	(10) REMOVE METAL PIPE	(15) REMOVE TREE	(16) TRIM TREE	CURB & GUTTER REMOVAL

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
1-800-522-OKIE
811
CALL OKIE

REMOVAL SHEET (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:

REVISION	BY	DATE

PLAN SCALE: 1" = 20'
PROFILE SCALE:
HORIZONTAL: 1" = 20'
VERTICAL 1" = 5'
FILE: H:\21-1009
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

DRAWN 04/2023
DESIGNED 04/2023
SURVEY
PROJ. MGR. DD 6/25
LEAD ENGR. 6/25
FIELD MGR. Ellen 6/25
RECOMMENDED: HBS 7-25
DESIGN MANAGER
DRAWING: 21-1009-Removals

APPROVED:
CITY ENGINEER
DATE: 7/3/2025
SHEET 53 OF 268 SHEETS

20 0 20 40
SCALE IN FEET

120+50
121+00
122+00
123+00
124+00
125+00

PC STA. 120+56.49
PI STA. 121+55.50
PT STA. 122+51.50
PC STA. 123+52.33
PT STA. 125+48.34
PI STA. 125+71.03

N. GILCREASE MUSEUM RD. (N. 25th W. AVE)
W. EASTON CT.
W. EDISON ST.

COORDINATE WITH CITY OF TULSA UTILITY DEPT FOR RELOCATION OF GUY WIRES
COORDINATE WITH CITY OF TULSA UTILITY DEPT FOR RELOCATION OF LIGHT POLE

N26°54'12.85"E 100.83'
C.R.L.
N01°10'20.85"W 22.69'
C.R.L.
R= 400.00'
E= 12.31'

4 LF (2)
69 LF (2)
1878 SY (1)
212 LF (2)
16 SY (4)
19 LF (2)
126 LF (2)
171 LF (2)
35 LF (2)
20 SY (4)
(16)

LEGEND

(1) REMOVE PAVEMENT	(6) REMOVE INLET/PIPE	(11) REMOVE CURB RAMP		SIDEWALK REMOVAL
(2) REMOVE CURB & GUTTER	(7) MILL & OVERLAY	(12) REMOVE TRAFFIC ITEM		PAVEMENT REMOVAL
(3) REMOVE DRIVEWAY	(8) PATCHING	(13) REMOVE CROSS DRAIN		DRIVEWAY REMOVAL
(4) REMOVE SIDEWALK	(9) REMOVE GUARDRAIL	(14) REMOVE HEADWALL		
(5) REMOVE MANHOLE	(10) REMOVE METAL PIPE	(15) REMOVE TREE	(16) TRIM TREE	CURB & GUTTER REMOVAL

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
1-800-522-OKIE
811
CALL OKIE

REMOVAL SHEET (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

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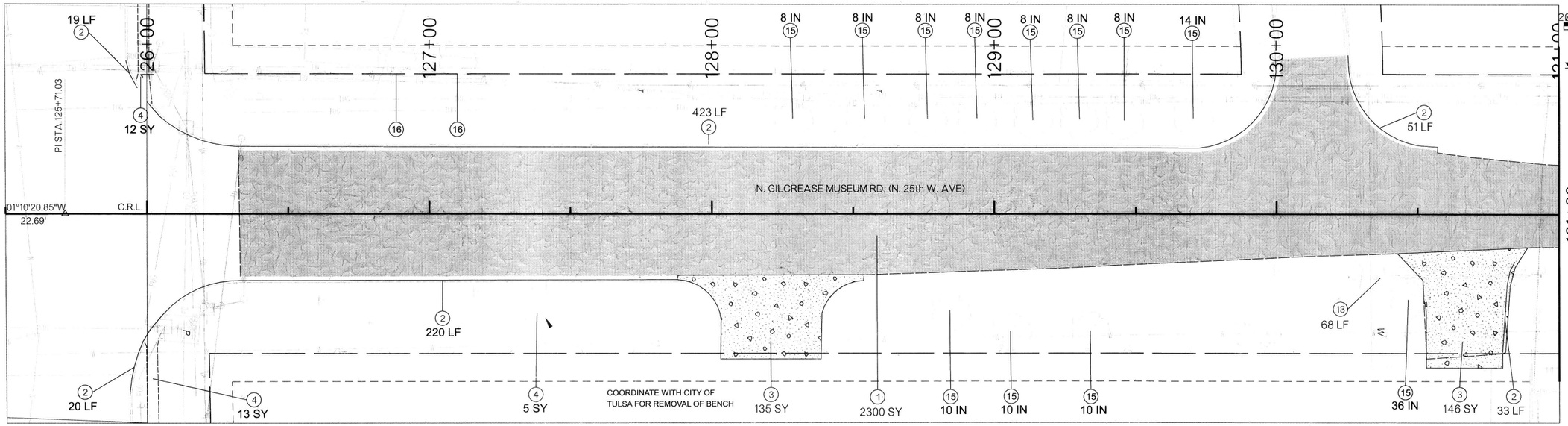
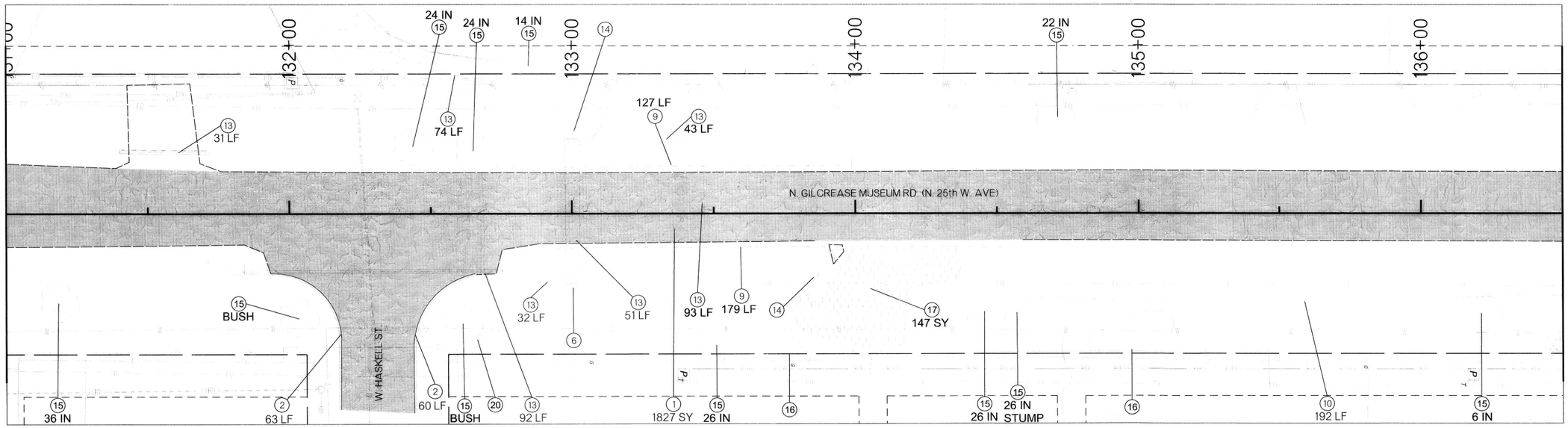
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER		7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Removals			DATE: 7/13/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 54 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\RoadwayShits\21-1009-Removals.dgn
6/20/2025





17 REMOVE RIP-RAP
18 CLEAR FOREST
19 REMOVE FENCE
20 REMOVE NEIGHBORHOOD SIGN; SALVAGE TO CITY

LEGEND

1 REMOVE PAVEMENT	6 REMOVE INLET/PIPE	11 REMOVE CURB RAMP		SIDEWALK REMOVAL
2 REMOVE CURB & GUTTER	7 MILL & OVERLAY	12 REMOVE TRAFFIC ITEM		PAVEMENT REMOVAL
3 REMOVE DRIVEWAY	8 PATCHING	13 REMOVE CROSS DRAIN		DRIVEWAY REMOVAL
4 REMOVE SIDEWALK	9 REMOVE GUARDRAIL	14 REMOVE HEADWALL		
5 REMOVE MANHOLE	10 REMOVE METAL PIPE	15 REMOVE TREE	16 TRIM TREE	CURB & GUTTER REMOVAL

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

REMOVAL SHEET (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

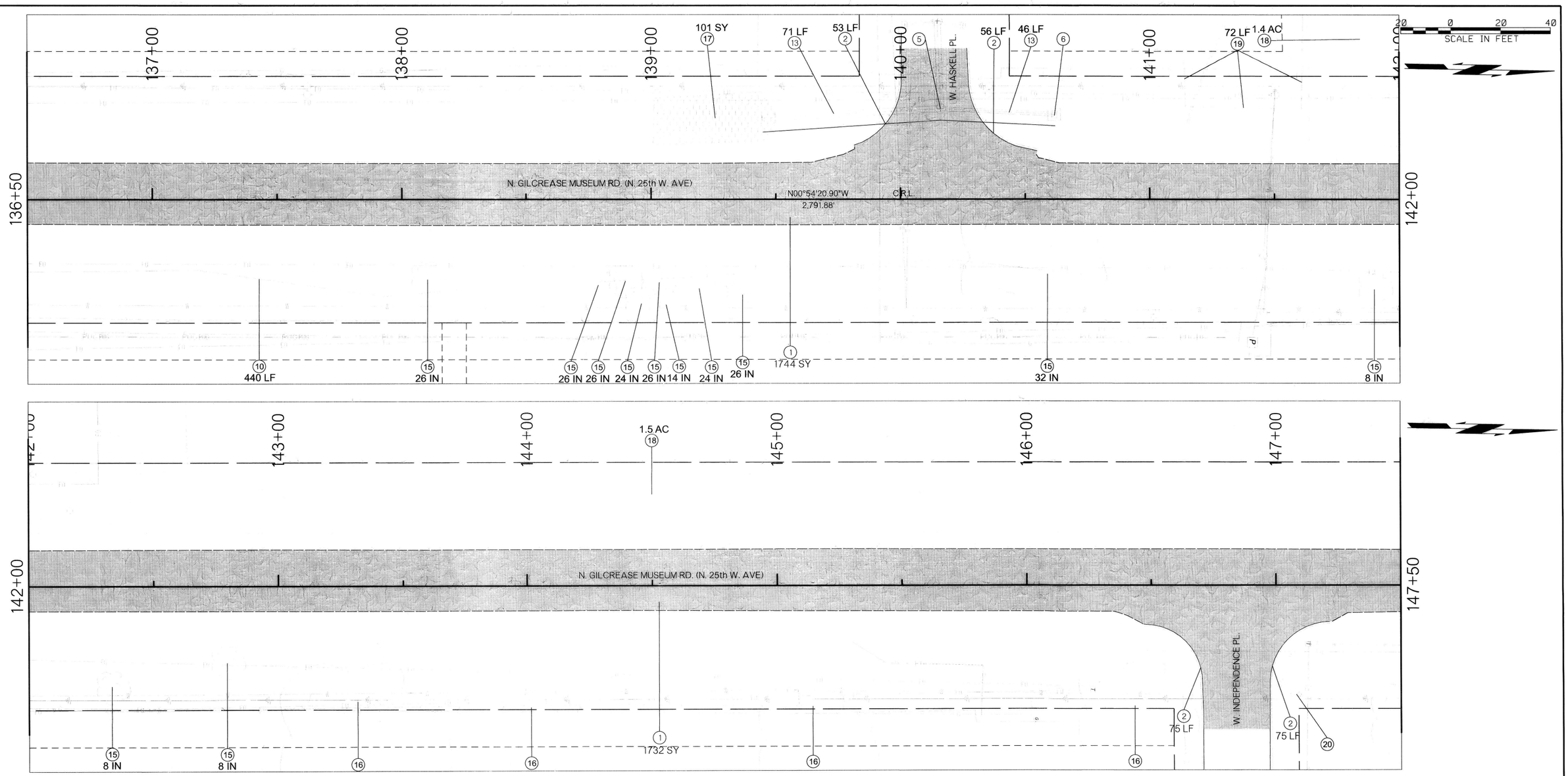
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL:	LEAD ENGR.		6/25	
1" = 20'	FIELD MGR.		6/25	
VERTICAL	RECOMMENDED:		7-25	
1" = 5'	DESIGN MANAGER		CITY ENGINEER	
FILE: H:\21-1009	DRAWING: 21-1009-Removals		DATE: 7/3/2025	
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET 55 OF 268 SHEETS	

H:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-Removals.dgn
6/20/2025



17 REMOVE RIP-RAP
18 CLEAR FOREST
19 REMOVE FENCE
20 REMOVE NEIGHBORHOOD SIGN; SALVAGE TO CITY

LEGEND

1 REMOVE PAVEMENT	6 REMOVE INLET/PIPE	11 REMOVE CURB RAMP	SIDEWALK REMOVAL
2 REMOVE CURB & GUTTER	7 MILL & OVERLAY	12 REMOVE TRAFFIC ITEM	PAVEMENT REMOVAL
3 REMOVE DRIVEWAY	8 PATCHING	13 REMOVE CROSS DRAIN	DRIVEWAY REMOVAL
4 REMOVE SIDEWALK	9 REMOVE GUARDRAIL	14 REMOVE HEADWALL	CURB & GUTTER REMOVAL
5 REMOVE MANHOLE	10 REMOVE METAL PIPE	15 REMOVE TREE	16 TRIM TREE

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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REMOVAL SHEET (4)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

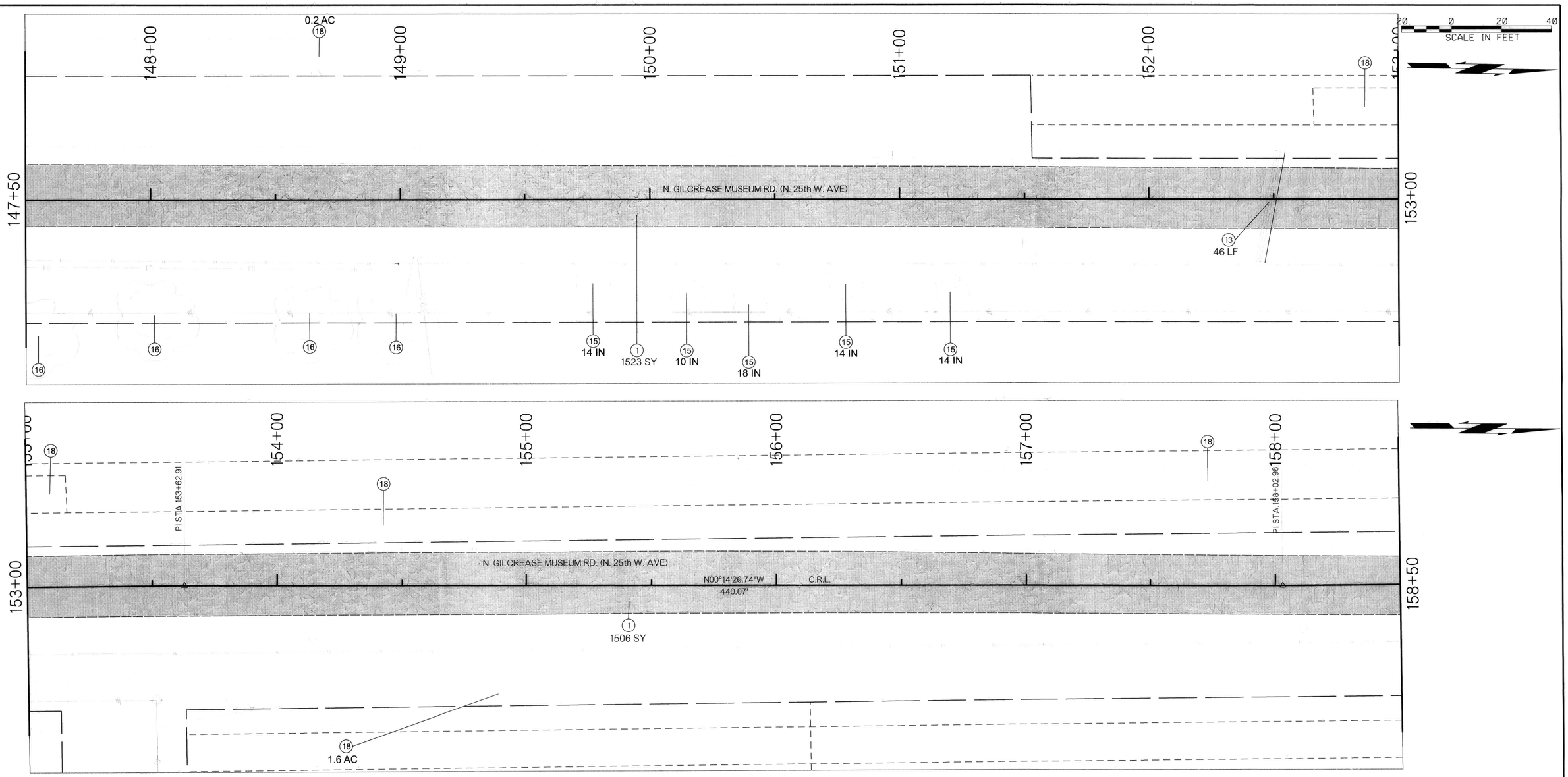
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	TJO	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.	JB	6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED DESIGN MANAGER	HAS	7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Removals			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 56 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\Roadway\Shts\21-1009-Removals.dgn
6/20/2025



LEGEND

(1) REMOVE PAVEMENT	(6) REMOVE INLET/PIPE	(11) REMOVE CURB RAMP		SIDEWALK REMOVAL
(2) REMOVE CURB & GUTTER	(7) MILL & OVERLAY	(12) REMOVE TRAFFIC ITEM		PAVEMENT REMOVAL
(3) REMOVE DRIVEWAY	(8) PATCHING	(13) REMOVE CROSS DRAIN		DRIVEWAY REMOVAL
(4) REMOVE SIDEWALK	(9) REMOVE GUARDRAIL	(14) REMOVE HEADWALL		
(5) REMOVE MANHOLE	(10) REMOVE METAL PIPE	(15) REMOVE TREE	(16) TRIM TREE	CURB & GUTTER REMOVAL

(17) REMOVE RIP-RAP
(18) CLEAR FOREST
(19) REMOVE FENCE
(20) REMOVE NEIGHBORHOOD SIGN; SALVAGE TO CITY

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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REVISION	BY	DATE

REMOVAL SHEET (5)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED DESIGN MANAGER	HAS	7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Removals			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 57 OF 268 SHEETS

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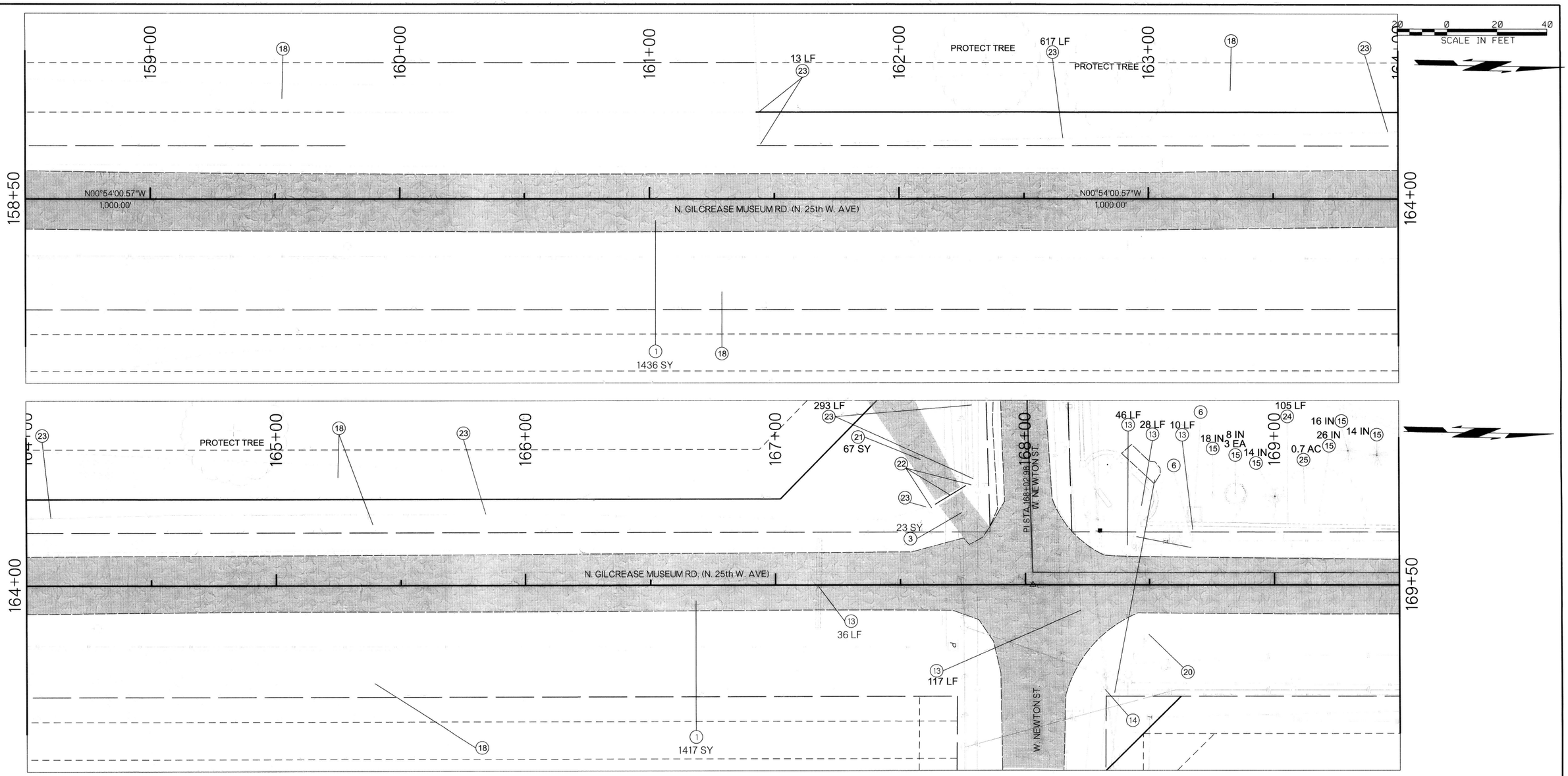
6/20/2025



17 REMOVE RIP-RAP
18 CLEAR FOREST
19 REMOVE FENCE
20 REMOVE NEIGHBORHOOD SIGN; SALVAGE TO CITY

21 SALVAGE FLAGSTONE; STACK ON OWNER'S (TEMPLE'S) PROPERTY
22 SALVAGE GATE AND STONE COLUMN'S; PLACE ON OWNER'S (TEMPLE'S) PROPERTY
23 RELOCATE ELECTRIC FENCING TO TEMPORARY CONSTRUCTION FENCING AND NEW FENCE; REMOVE FENCE

24 REMOVE ROCK WALL
25 CLEAR MUSEUM LAWN; WHERE ENCOUNTERED REMOVE IRRIGATION SYSTEM; MARK LOCATION OF ALL CUT PIPES

LEGEND

1 REMOVE PAVEMENT
2 REMOVE CURB & GUTTER
3 REMOVE DRIVEWAY
4 REMOVE SIDEWALK
5 REMOVE MANHOLE
6 REMOVE INLET/PIPE
7 MILL & OVERLAY
8 PATCHING
9 REMOVE GUARDRAIL
10 REMOVE METAL PIPE
11 REMOVE CURB RAMP
12 REMOVE TRAFFIC ITEM
13 REMOVE CROSS DRAIN
14 REMOVE HEADWALL
15 REMOVE TREE
16 TRIM TREE

SIDEWALK REMOVAL
PAVEMENT REMOVAL
DRIVEWAY REMOVAL
CURB & GUTTER REMOVAL

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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REMOVAL SHEET (6)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL:	LEAD ENGR.		6/25	
1" = 20'	FIELD MGR.		6/25	
VERTICAL	RECOMMENDED:			
1" = 5'	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Removals			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 58 OF 268 SHEETS

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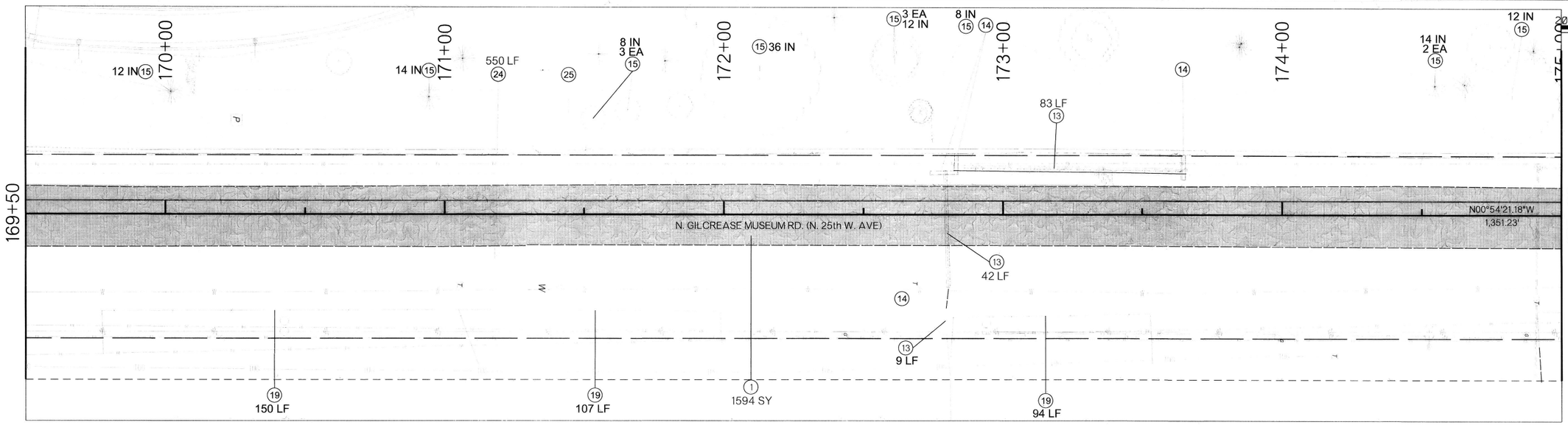
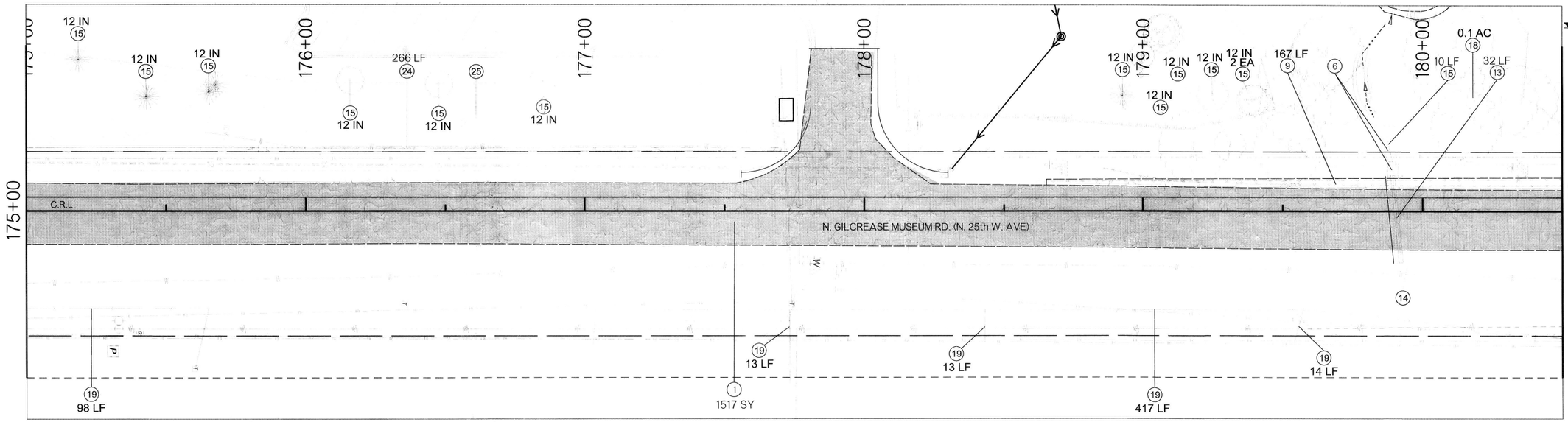
6/20/2025





(17) REMOVE RIP-RAP
(18) CLEAR FOREST
(19) REMOVE FENCE
(20) REMOVE NEIGHBORHOOD SIGN; SALVAGE TO CITY
(21) SALVAGE FLAGSTONE; STACK ON OWNER'S (TEMPLE'S) PROPERTY
(22) SALVAGE GATE AND STONE COLUMN'S; PLACE ON OWNER'S (TEMPLE'S) PROPERTY
(23) RELOCATE ELECTRIC FENCING TO TEMPORARY CONSTRUCTION FENCING AND NEW FENCE; REMOVE FENCE
(24) REMOVE ROCK WALL
CLEAR MUSEUM LAWN; WHERE ENCOUNTERED
(25) REMOVE IRRIGATION SYSTEM; MARK LOCATION OF ALL CUT PIPES

LEGEND

(1) REMOVE PAVEMENT
(2) REMOVE CURB & GUTTER
(3) REMOVE DRIVEWAY
(4) REMOVE SIDEWALK
(5) REMOVE MANHOLE
(6) REMOVE INLET/PIPE
(7) MILL & OVERLAY
(8) PATCHING
(9) REMOVE GUARDRAIL
(10) REMOVE METAL PIPE
(11) REMOVE CURB RAMP
(12) REMOVE TRAFFIC ITEM
(13) REMOVE CROSS DRAIN
(14) REMOVE HEADWALL
(15) REMOVE TREE
(16) TRIM TREE

SIDEWALK REMOVAL
PAVEMENT REMOVAL
DRIVEWAY REMOVAL
CURB & GUTTER REMOVAL

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
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REMOVAL SHEET (7)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
	LEAD ENGR.			
HORIZONTAL: 1" = 20'	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Removals		DATE: 7/3/2025	
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET 59 OF 268 SHEETS	

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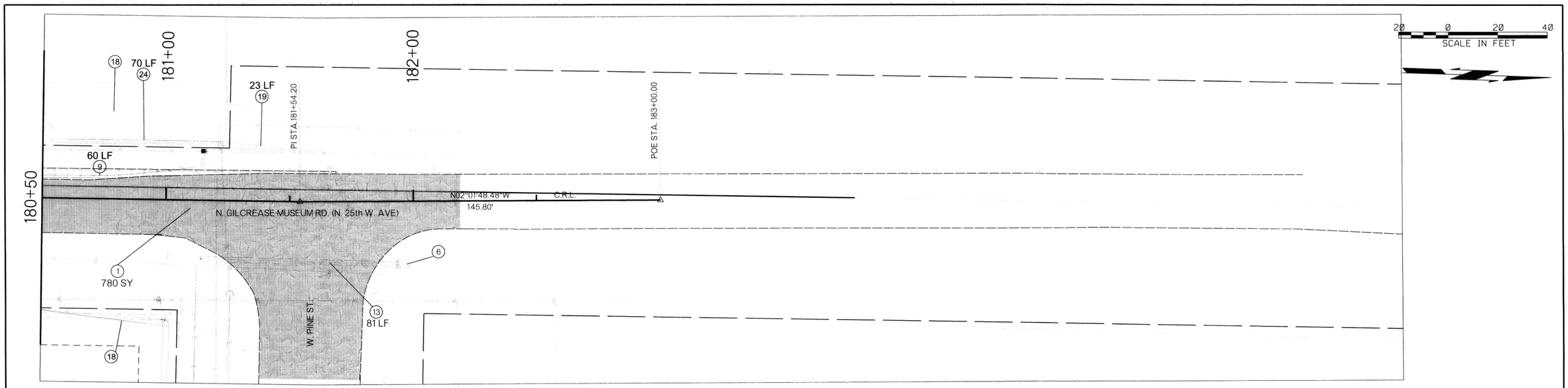
6/20/2025



17 REMOVE RIP-RAP
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23 RELOCATE ELECTRIC FENCING TO TEMPORARY CONSTRUCTION FENCING AND NEW FENCE; REMOVE FENCE
24 REMOVE ROCK WALL
25 CLEAR MUSEUM LAWN; WHERE ENCOUNTERED REMOVE IRRIGATION SYSTEM; MARK LOCATION OF ALL CUT PIPES

LEGEND

1 REMOVE PAVEMENT
2 REMOVE CURB & GUTTER
3 REMOVE DRIVEWAY
4 REMOVE SIDEWALK
5 REMOVE MANHOLE
6 REMOVE INLET/PIPE
7 MILL & OVERLAY
8 PATCHING
9 REMOVE GUARDRAIL
10 REMOVE METAL PIPE
11 REMOVE CURB RAMP
12 REMOVE TRAFFIC ITEM
13 REMOVE CROSS DRAIN
14 REMOVE HEADWALL
15 REMOVE TREE
16 TRIM TREE

SIDEWALK REMOVAL
PAVEMENT REMOVAL
DRIVEWAY REMOVAL
CURB & GUTTER REMOVAL

LICENSED PROFESSIONAL ENGINEER
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20681
OKLAHOMA
6/20/2025

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REMOVAL SHEET (8)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER		7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Removals			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 60 OF 268 SHEETS

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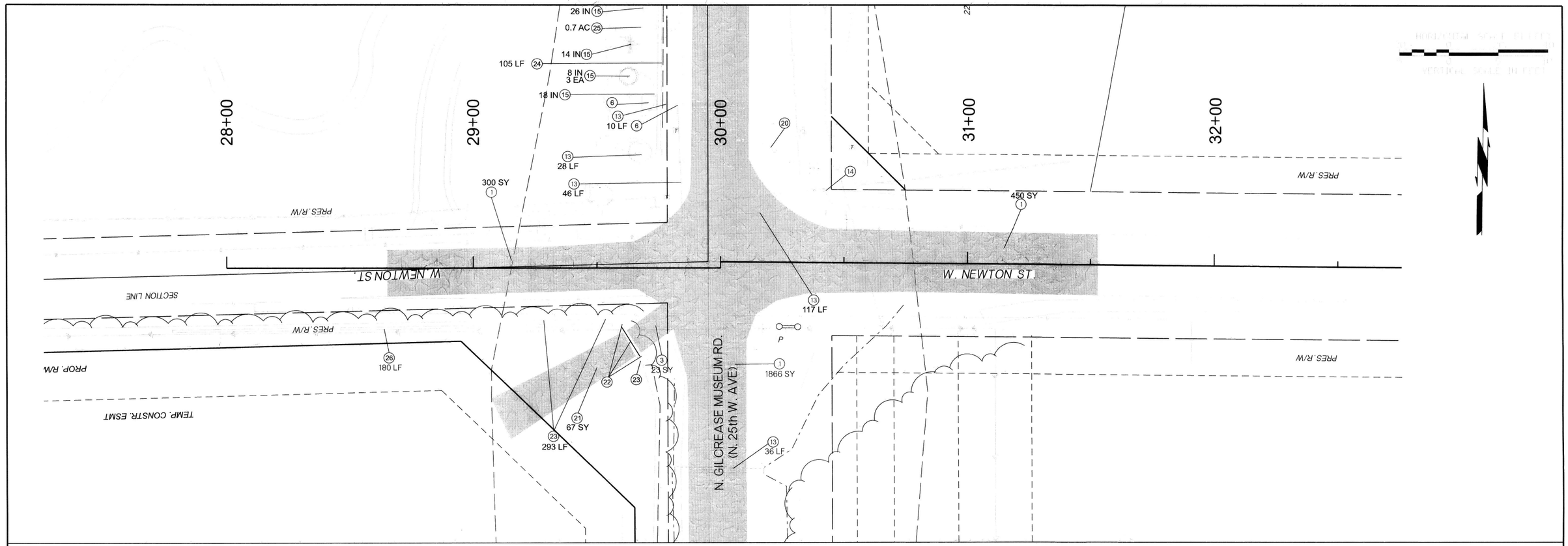
6/20/2025



(17) REMOVE RIP-RAP
(18) CLEAR FOREST
(19) REMOVE FENCE
(20) REMOVE NEIGHBORHOOD SIGN; SALVAGE TO CITY
(21) SALVAGE FLAGSTONE; STACK ON OWNER'S (TEMPLE'S) PROPERTY
(22) SALVAGE GATE AND STONE COLUMN'S; PLACE ON OWNER'S (TEMPLE'S) PROPERTY
(23) RELOCATE ELECTRIC FENCING TO TEMPORARY CONSTRUCTION FENCING AND NEW FENCE; REMOVE FENCE
(24) REMOVE ROCK WALL
(25) CLEAR MUSEUM LAWN; WHERE ENCOUNTERED REMOVE IRRIGATION SYSTEM; MARK LOCATION OF ALL CUT PIPES
(26) REMOVE RETAINING WALL

LEGEND

(1) REMOVE PAVEMENT
(2) REMOVE CURB & GUTTER
(3) REMOVE DRIVEWAY
(4) REMOVE SIDEWALK
(5) REMOVE MANHOLE
(6) REMOVE INLET/PIPE
(7) MILL & OVERLAY
(8) PATCHING
(9) REMOVE GUARDRAIL
(10) REMOVE METAL PIPE
(11) REMOVE CURB RAMP
(12) REMOVE TRAFFIC ITEM
(13) REMOVE CROSS DRAIN
(14) REMOVE HEADWALL
(15) REMOVE TREE
(16) TRIM TREE

SIDEWALK REMOVAL
PAVEMENT REMOVAL
DRIVEWAY REMOVAL
CURB & GUTTER REMOVAL

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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REMOVAL SHEET (9)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

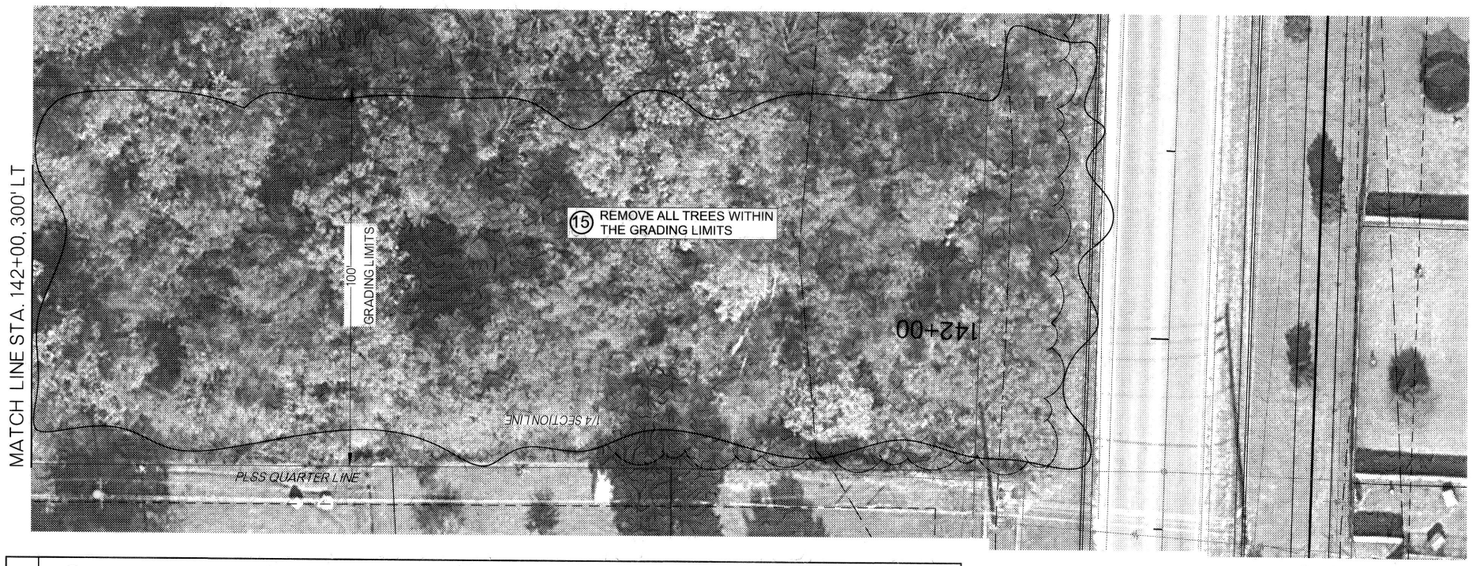
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED:		7-25	CITY ENGINEER
FILE: H:\21-1009	DESIGN MANAGER			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75	DRAWING: 21-1009-Removals Newton			SHEET 61 OF 268 SHEETS





LEGEND

1 REMOVE PAVEMENT	6 REMOVE INLET/PIPE	11 REMOVE CURB RAMP	SIDEWALK REMOVAL
2 REMOVE CURB & GUTTER	7 MILL & OVERLAY	12 REMOVE TRAFFIC ITEM	PAVEMENT REMOVAL
3 REMOVE DRIVEWAY	8 PATCHING	13 REMOVE CROSS DRAIN	DRIVEWAY REMOVAL
4 REMOVE SIDEWALK	9 REMOVE GUARDRAIL	14 REMOVE HEADWALL	CURB & GUTTER REMOVAL
5 REMOVE MANHOLE	10 REMOVE METAL PIPE	15 REMOVE TREE	16 TRIM TREE

LICENSED PROFESSIONAL ENGINEER
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20681
OKLAHOMA
6/20/2025

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WATER DIVERSION BERM
REMOVAL SHEET

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

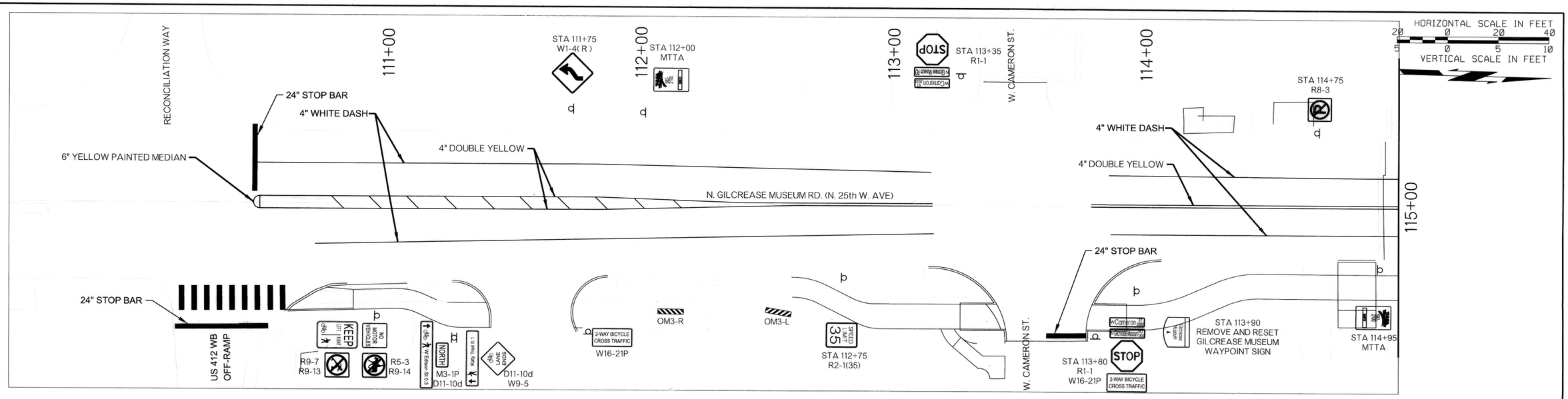
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

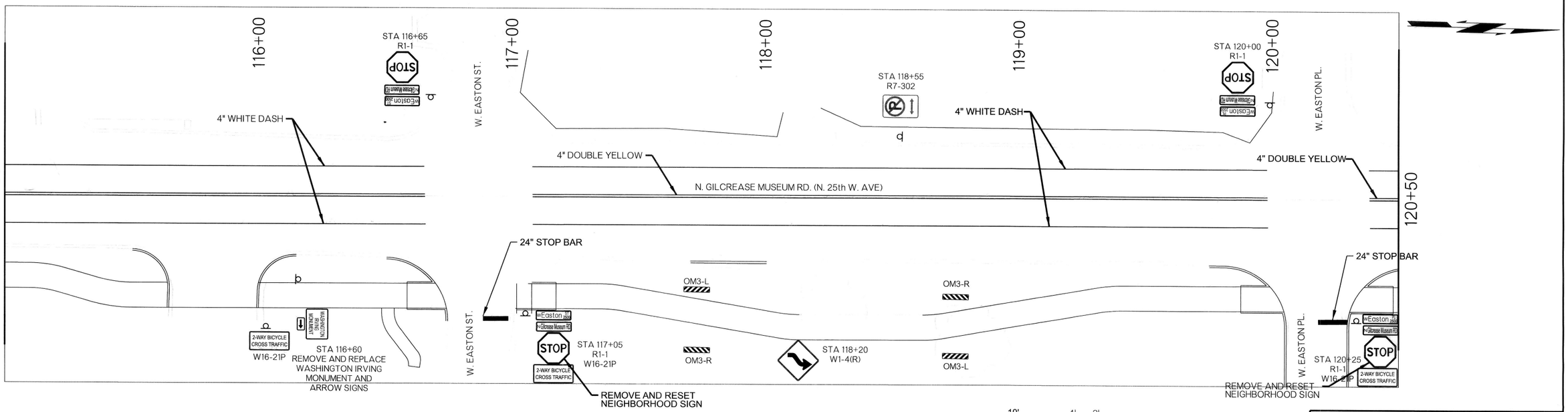
REVISION	BY	DATE

PLAN SCALE: 1" = 20'
PROFILE SCALE:
HORIZONTAL: 1" = 20'
VERTICAL 1" = 5'

DRAWN	POE	06/2023	APPROVED:
DESIGNED	POE	06/2023	
SURVEY			
PROJ. MGR.		7/8/25	
LEAD ENGR.		6/25	
FIELD MGR.		6/25	
RECOMMENDED:		7.25	
DESIGN MANAGER			CITY ENGINEER

FILE: H:\21-1009 DRAWING: 21-1009-Water Diversion Berm-Demo
DATE: 7/8/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET 62 OF 268 SHEETS

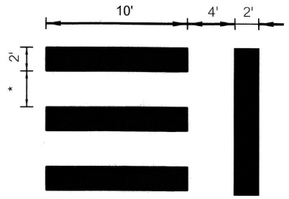




NOTE:
STRIPING QUANTITY INCLUDES RESTRIPING N. GILCREASE MUSEUM RD. (N. 25th W. AVE) FROM RECONCILIATION WAY, SOUTH, TO CHARLES PAGE BLVD.

NOTE:

TRAFFIC SIGNING AND STRIPING SHEETS ARE FOR BIDDING PURPOSES ONLY. FINAL SIGN AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.



DIMENSIONS FOR CROSSWALKS & STOP BARS

*NOTE:
CROSSWALK BARS ARE TO BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE.

LEGEND

- 4" BROKEN WHITE LANE LINE
- 24" STOP BAR
- 4" SOLID WHITE OR YELLOW LANE LINE
- 4" DOUBLE SOLID YELLOW CENTERLINE
- BIKE LANE MARKER (GREEN BACKGROUND)
- BIKE LANE MARKER (MID-BLOCK)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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SIGNING & STRIPING SHEET (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
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CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
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PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: HAS 7-25			
	DESIGN MANAGER		CITY ENGINEER	
FILE: H:\21-1009	DRAWING: 21-1009-Signing and Striping Plan		DATE: 7/13/2025	
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET 63 OF 268 SHEETS	

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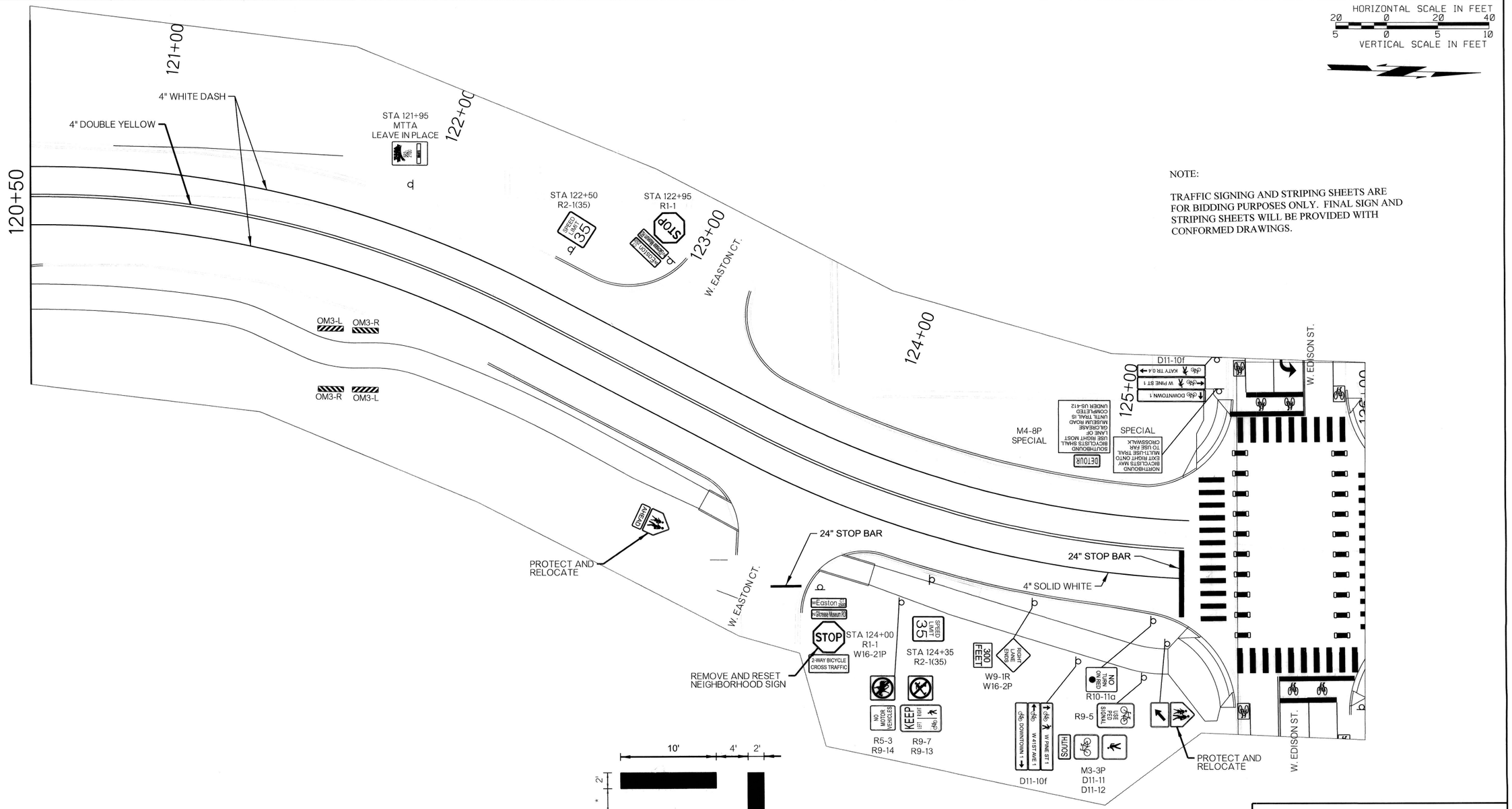
6/23/2025



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DIMENSIONS FOR CROSSWALKS & STOP BARS

*NOTE:
CROSSWALK BARS ARE TO BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE.

LEGEND

- 4" BROKEN WHITE LANE LINE
- 4" SOLID WHITE OR YELLOW LANE LINE
- 4" DOUBLE SOLID YELLOW CENTERLINE
- 24" STOP BAR
- BIKE LANE MARKER (GREEN BACKGROUND)
- BIKE LANE MARKER (MID-BLOCK)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
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OKLAHOMA
6/20/2025

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SIGNING & STRIPING SHEET (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
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POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
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VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Signing and Striping Plan		DATE: 7/13/2025	
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET 64 OF 268 SHEETS	

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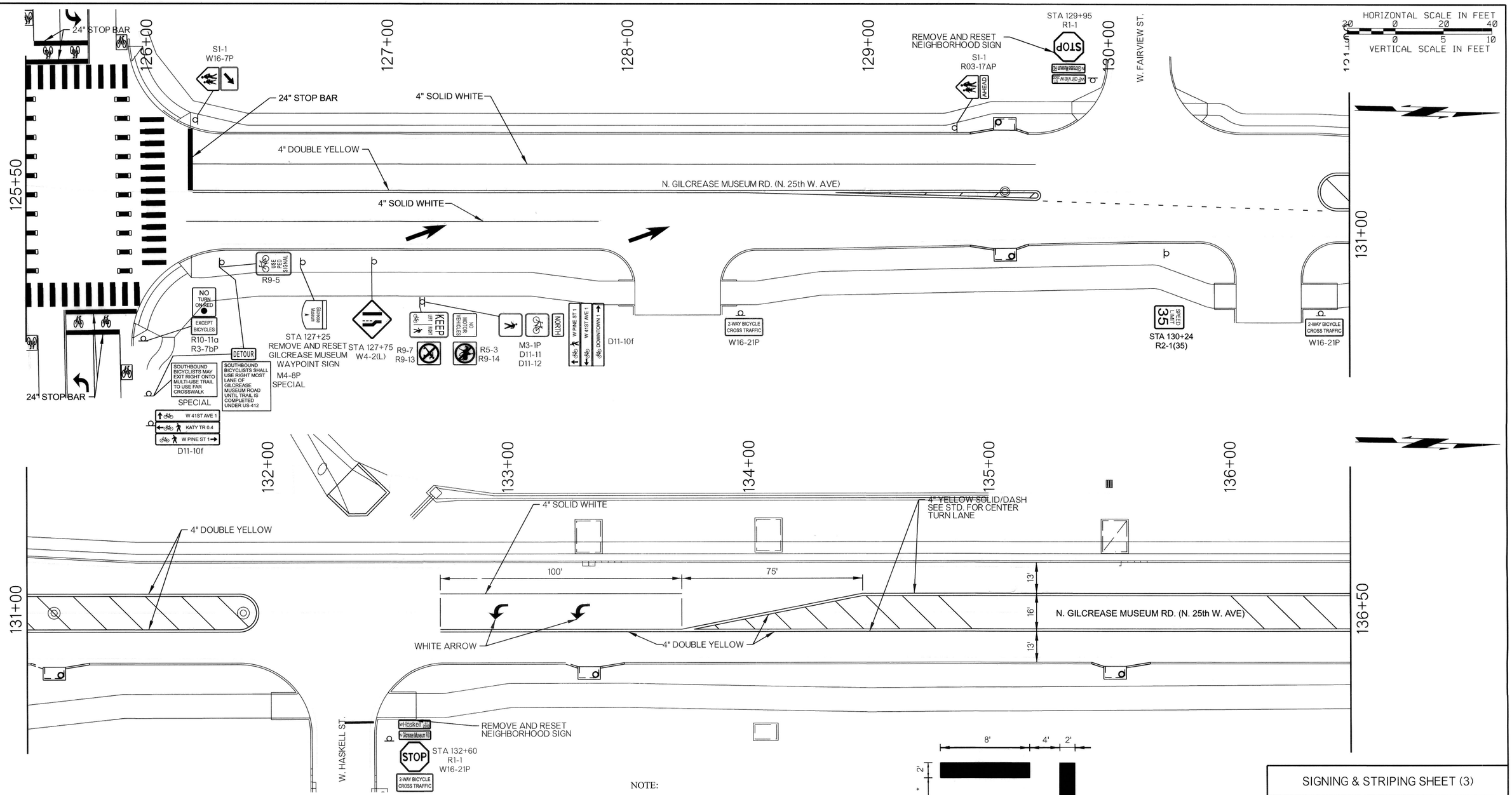
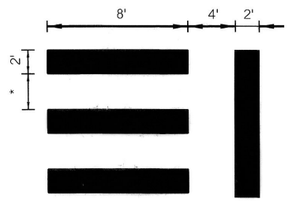
6/23/2025



NOTE:

TRAFFIC SIGNING AND STRIPING SHEETS ARE FOR BIDDING PURPOSES ONLY. FINAL SIGN AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.



DIMENSIONS FOR CROSSWALKS & STOP BARS

*NOTE:
CROSSWALK BARS ARE TO BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE.

LEGEND

- 4" BROKEN WHITE LANE LINE
- 4" SOLID WHITE OR YELLOW LANE LINE
- 4" DOUBLE SOLID YELLOW CENTERLINE
- 24" STOP BAR
- BIKE LANE MARKER (GREEN BACKGROUND)
- BIKE LANE MARKER (MID-BLOCK)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG OKIE 811 1-800-522-OKIE CALL OKIE

REVISION	BY	DATE

SIGNING & STRIPING SHEET (3)

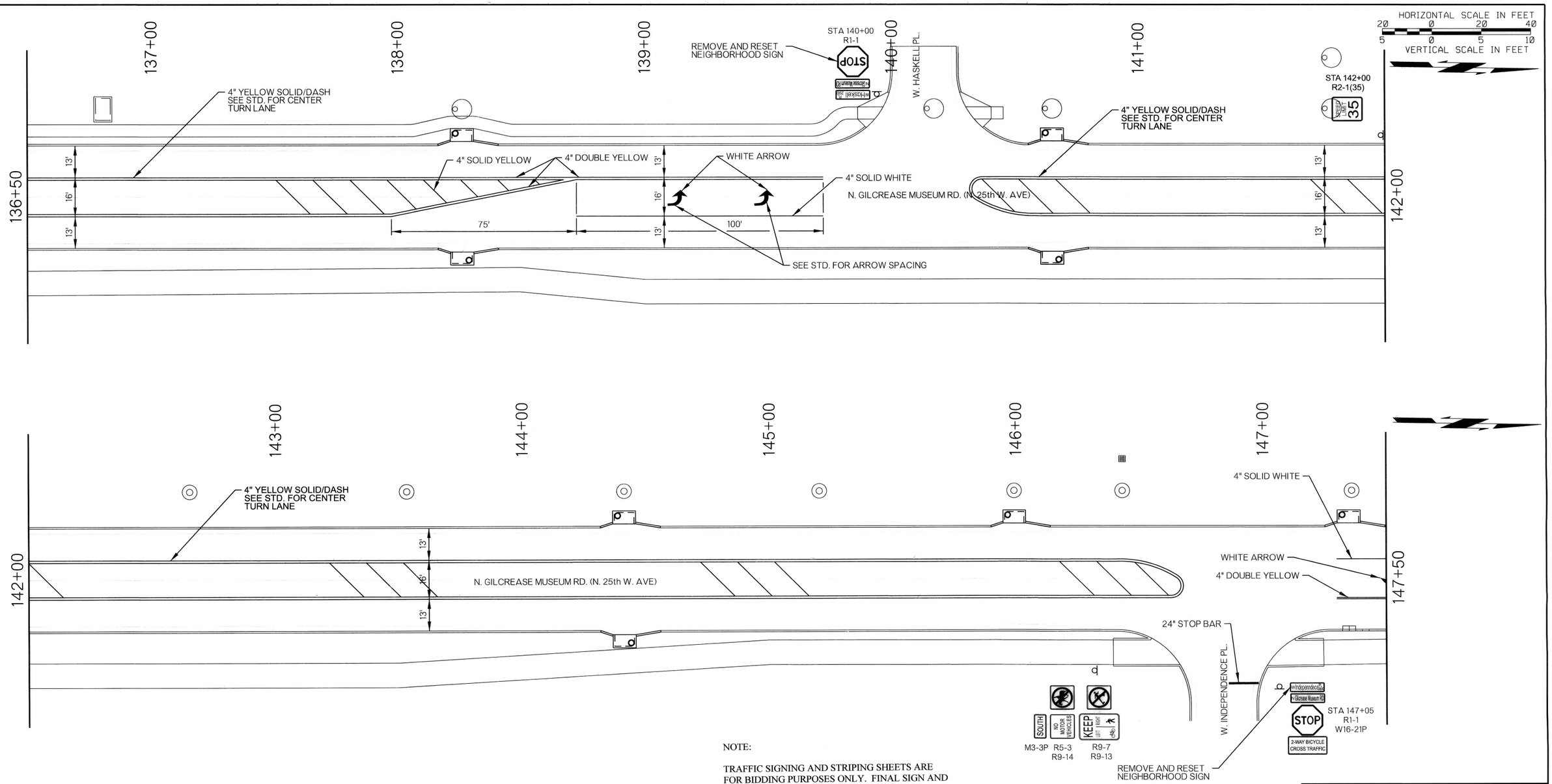
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Signing and Striping Plan		DATE: 7/3/2025	
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET 65 OF 268 SHEETS	

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-Signing and Striping Plan.dgn
6/23/2025



NOTE:

TRAFFIC SIGNING AND STRIPING SHEETS ARE FOR BIDDING PURPOSES ONLY. FINAL SIGN AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.

LEGEND

- 4" BROKEN WHITE LANE LINE
- 4" SOLID WHITE OR YELLOW LANE LINE
- 4" DOUBLE SOLID YELLOW CENTERLINE
- 24" STOP BAR
- BIKE LANE MARKER (GREEN BACKGROUND)
- BIKE LANE MARKER (MID-BLOCK)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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REVISION	BY	DATE

SIGNING & STRIPING SHEET (4)

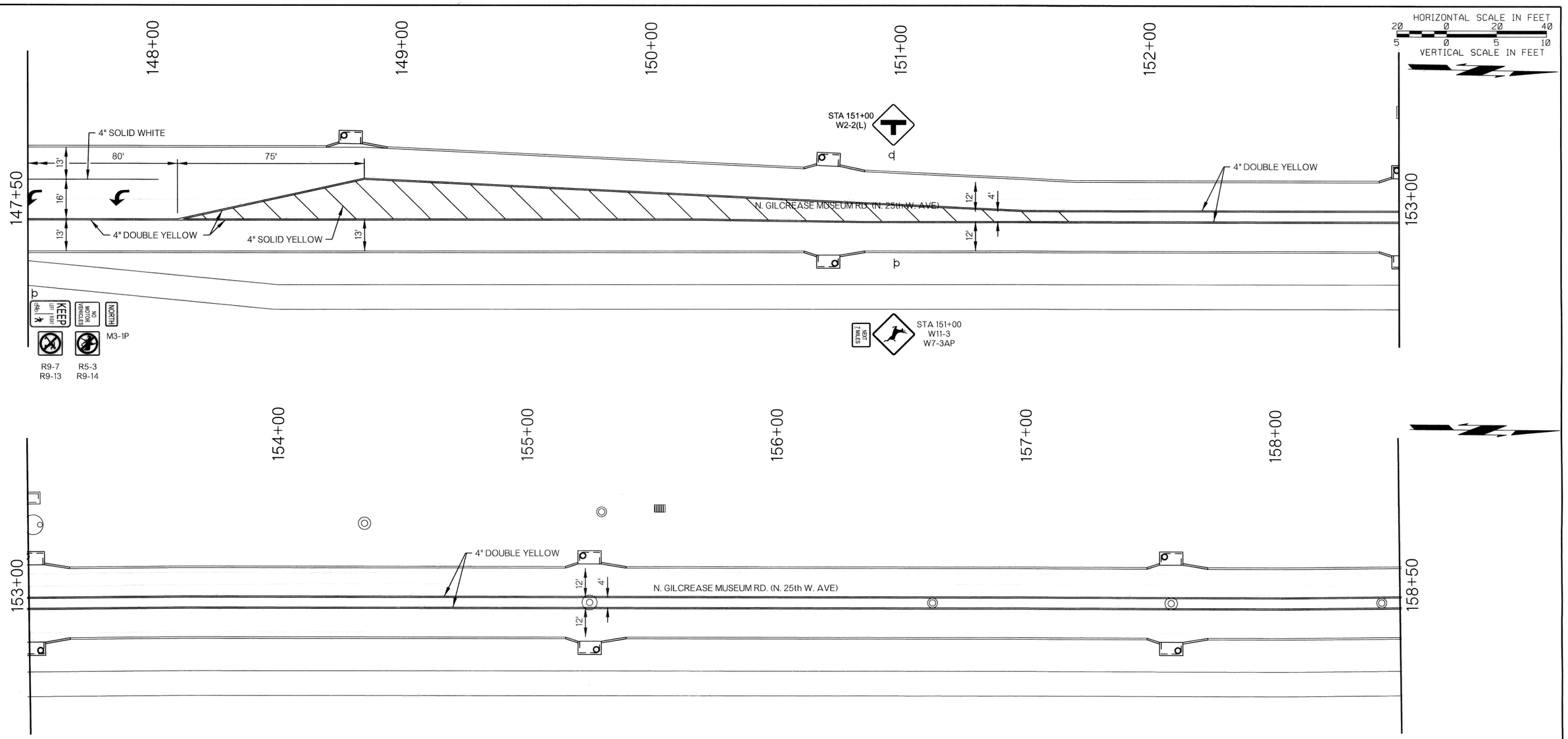
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Signing and Striping Plan			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 66 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-Signing and Striping Plan.dgn
6/23/2025



NOTE:

TRAFFIC SIGNING AND STRIPING SHEETS ARE FOR BIDDING PURPOSES ONLY. FINAL SIGN AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
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SIGNING & STRIPING SHEET (5)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

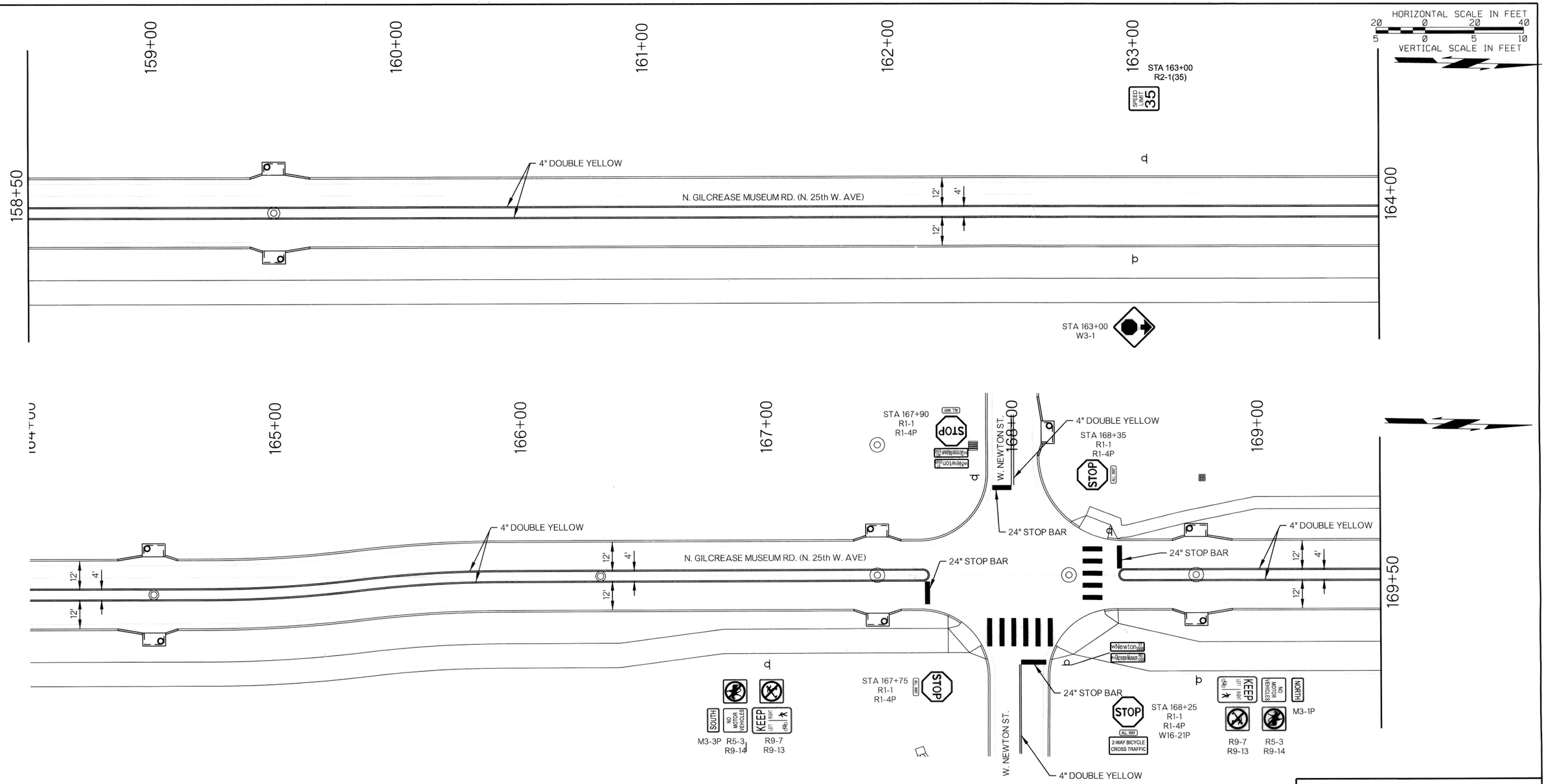
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
1" = 20'	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
	LEAD ENGR.			
HORIZONTAL: 1" = 20'	FIELD MGR.			
	RECOMMENDED:			
VERTICAL 1" = 5'	DESIGN MANAGER	HB 7-25		CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Signing and Striping Plan		DATE:	7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET	67 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\Roadway\Shts\21-1009-Signing and Striping Plan.dgn
6/23/2025



I:\21-1009 25th Widening\Plan Sheets\Roadway\Shts\21-1009-Signing and Striping Plan.dgn

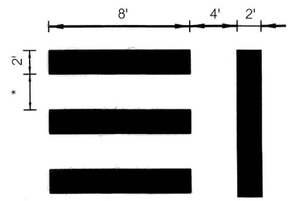
6/23/2025

LEGEND

- 4" BROKEN WHITE LANE LINE
- 4" SOLID WHITE OR YELLOW LANE LINE
- 4" DOUBLE SOLID YELLOW CENTERLINE
- 24" STOP BAR
- BIKE LANE MARKER (GREEN BACKGROUND)
- BIKE LANE MARKER (MID-BLOCK)

NOTE:

TRAFFIC SIGNING AND STRIPING SHEETS ARE FOR BIDDING PURPOSES ONLY. FINAL SIGN AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.



DIMENSIONS FOR CROSSWALKS & STOP BARS

*NOTE:
CROSSWALK BARS ARE TO BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE.

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA

6/20/2025

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REVISION	BY	DATE

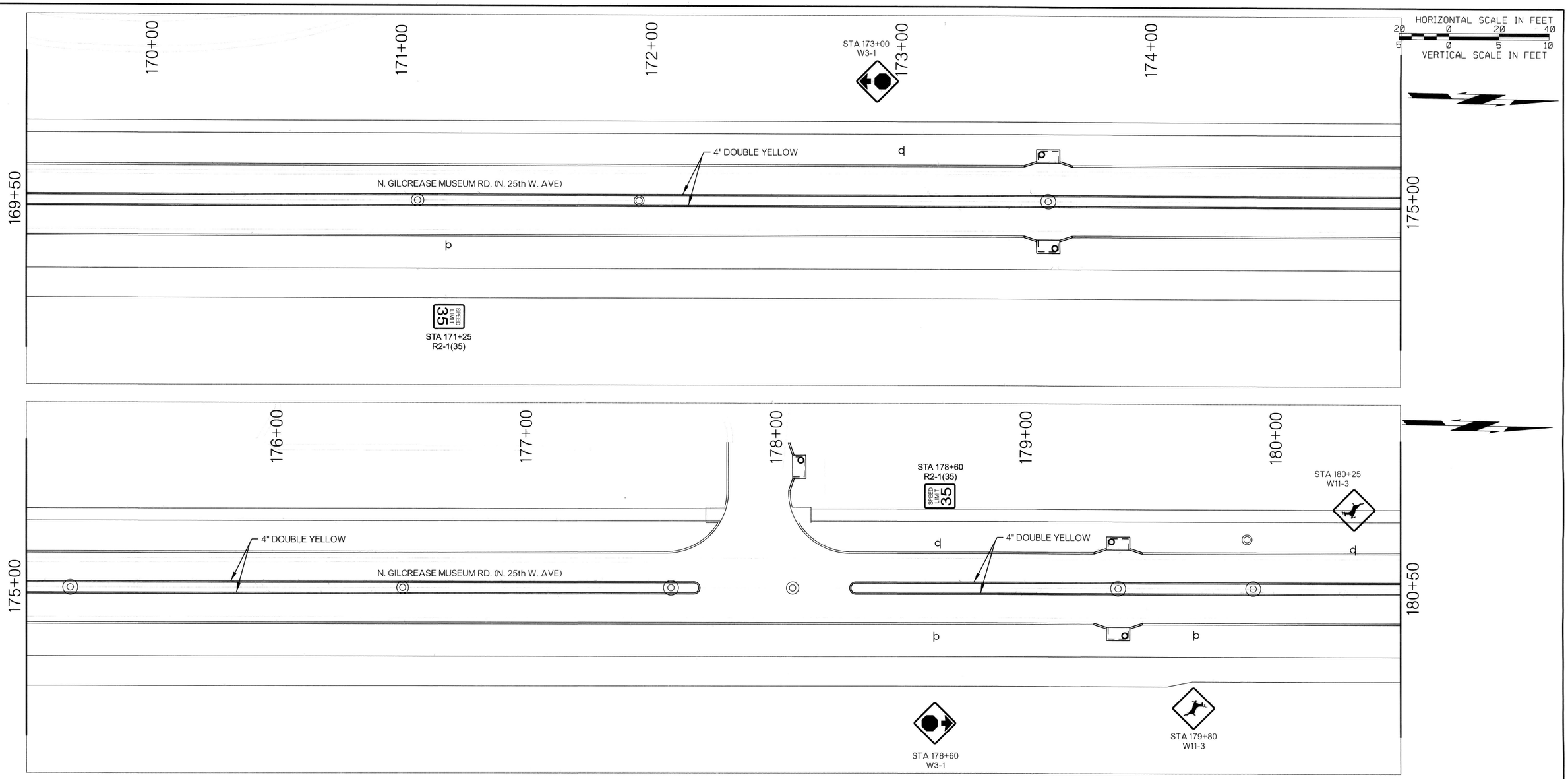
SIGNING & STRIPING SHEET (6)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.	MWS	6/2025	
	FIELD MGR.			
VERTICAL: 1" = 5'	RECOMMENDED: DESIGN MANAGER	HAS	7-3-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Signing and Striping Plan			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 68 OF 268 SHEETS



NOTE:

TRAFFIC SIGNING AND STRIPING SHEETS ARE FOR BIDDING PURPOSES ONLY. FINAL SIGN AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.

LEGEND

- 4" BROKEN WHITE LANE LINE
- 4" SOLID WHITE OR YELLOW LANE LINE
- 4" DOUBLE SOLID YELLOW CENTERLINE
- 24" STOP BAR
- BIKE LANE MARKER (GREEN BACKGROUND)
- BIKE LANE MARKER (MID-BLOCK)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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REVISION	BY	DATE

SIGNING & STRIPING SHEET (7)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.	MVS	06/2025	
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER	HB	7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Signing and Striping Plan			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 69 OF 268 SHEETS

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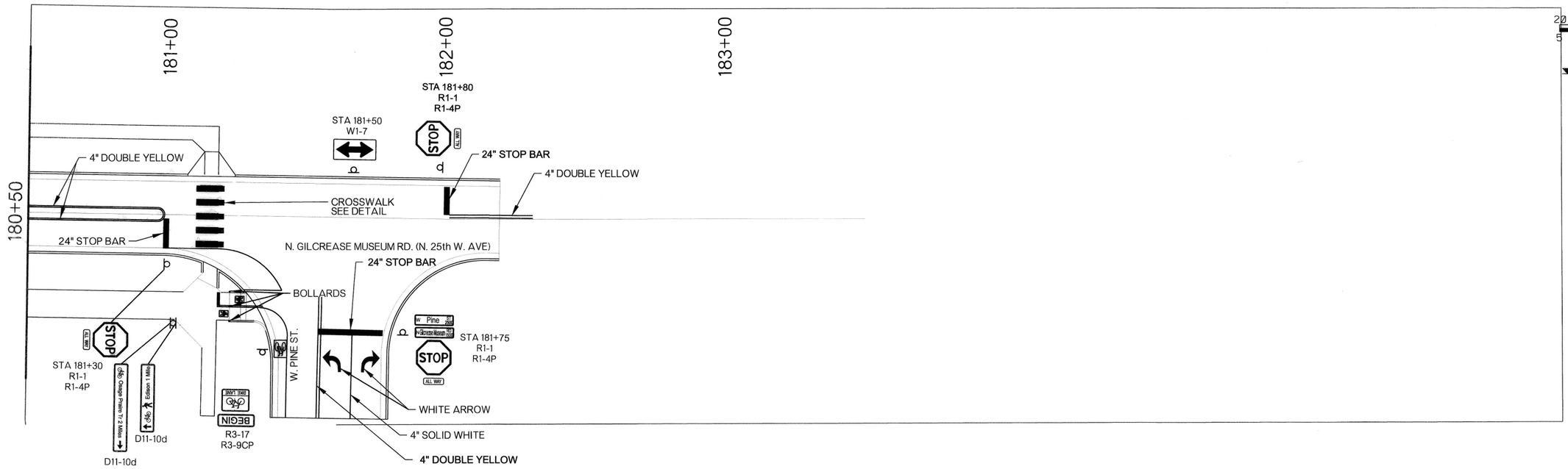
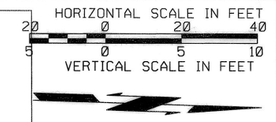
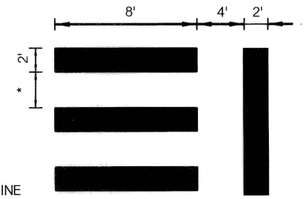
6/23/2025







*NOTE:
CROSSWALK BARS ARE TO BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE.

DIMENSIONS FOR
CROSSWALKS & STOP BARS

NOTE:
TRAFFIC SIGNING AND STRIPING PLANS ARE FOR BIDDING PURPOSES. FINAL SIGNING AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.

LEGEND

- 4" BROKEN WHITE LANE LINE (12' – 28' – 12', 40' CYCLE)
- 4" SOLID WHITE OR YELLOW LANE LINE
- 4" DOUBLE SOLID YELLOW CENTERLINE
- 24" STOP BAR
- WHITE ARROW
- ACCESSIBLE PARKING
- SHARED LANE MARKER
- BIKE LANE MARKER (GREEN BACKGROUND)
- BIKE LANE MARKER (MID-BLOCK)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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REVISION	BY	DATE

SIGNING & STRIPING SHEET (8)

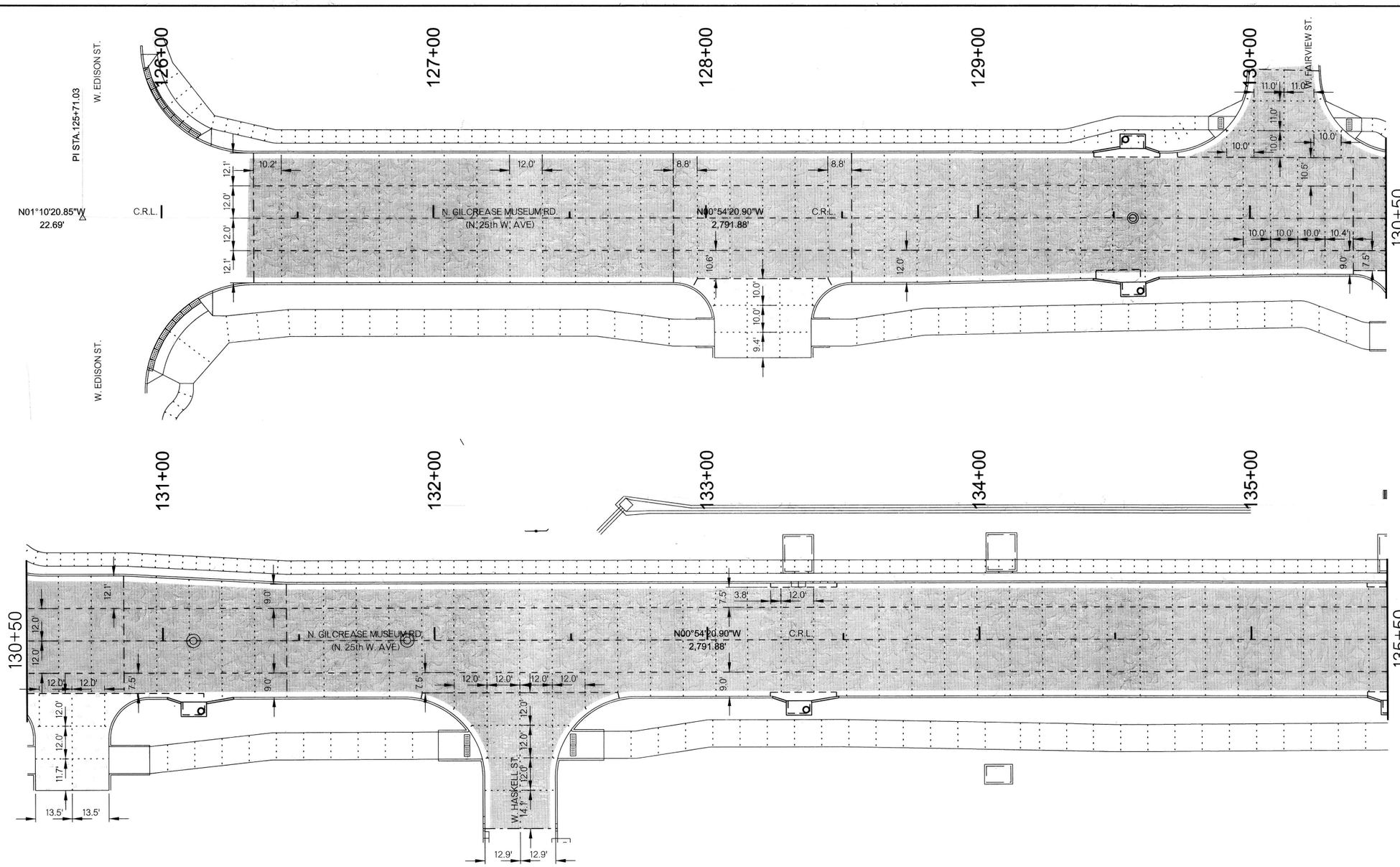
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: HMS 7-25			
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Signing and Striping Plan			DATE:
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 70 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-Signing and Striping Plan.dgn
7/2/2025



NOTE:
ALL TRANSVERSE JOINTS ARE
12' UNLESS OTHERWISE NOTES.

LEGEND

- ISOLATION JOINT
- LONGITUDINAL JOINT
- TRANSVERSE JOINT (ODOT LTU-4-0)
- [R] REINFORCED CONCRETE PANEL (STEEL EST. 12LB/SY)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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JOINT LAYOUT PLAN (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" =	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
	RECOMMENDED:			
VERTICAL 1" =	DESIGN MANAGER		CITY ENGINEER	
FILE: H:\21-1009	DRAWING:		DATE: 7/3/2025	
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET 71 OF 268 SHEETS	

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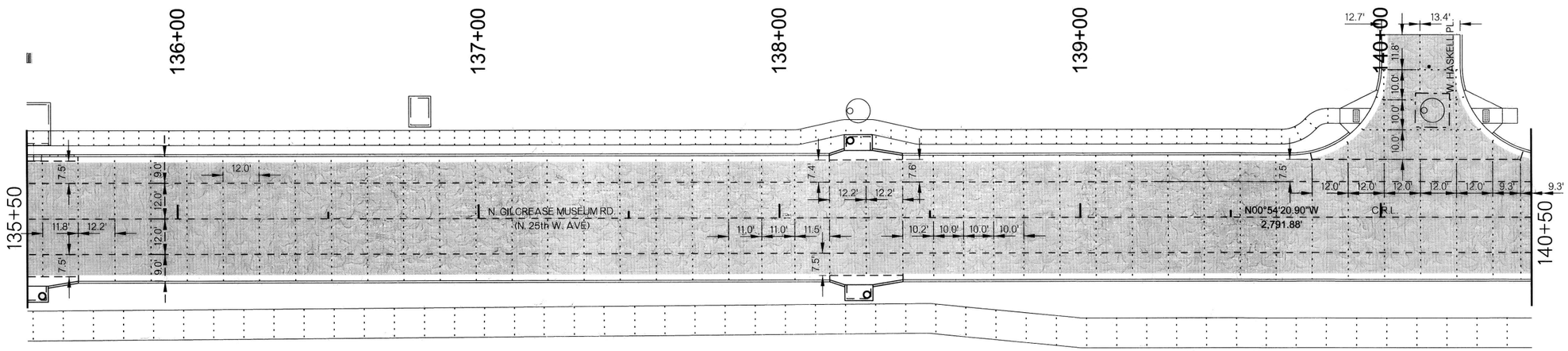
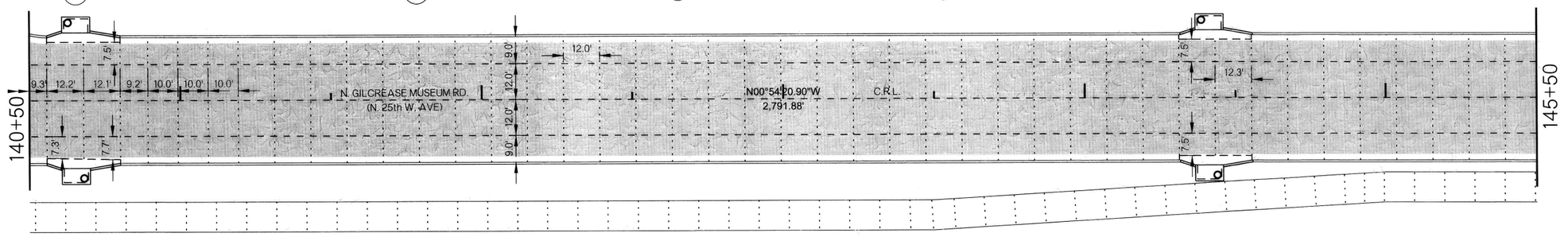
6/20/2025





20 0 20 40
SCALE IN FEET

NOTE:
ALL TRANSVERSE JOINTS ARE
12' UNLESS OTHERWISE NOTES.

LEGEND

----------	ISOLATION JOINT
- - - - - - - - -	LONGITUDINAL JOINT
————	TRANSVERSE JOINT (ODOT LTU-4-0)
[R]	REINFORCED CONCRETE PANEL (STEEL EST. 12LB/SY)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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JOINT LAYOUT PLAN (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN	POE	04/2023	APPROVED:
	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
	LEAD ENGR.			
HORIZONTAL: 1" = 20'	FIELD MGR.			
	RECOMMENDED:			
VERTICAL 1" = 5'	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 72 OF 268 SHEETS

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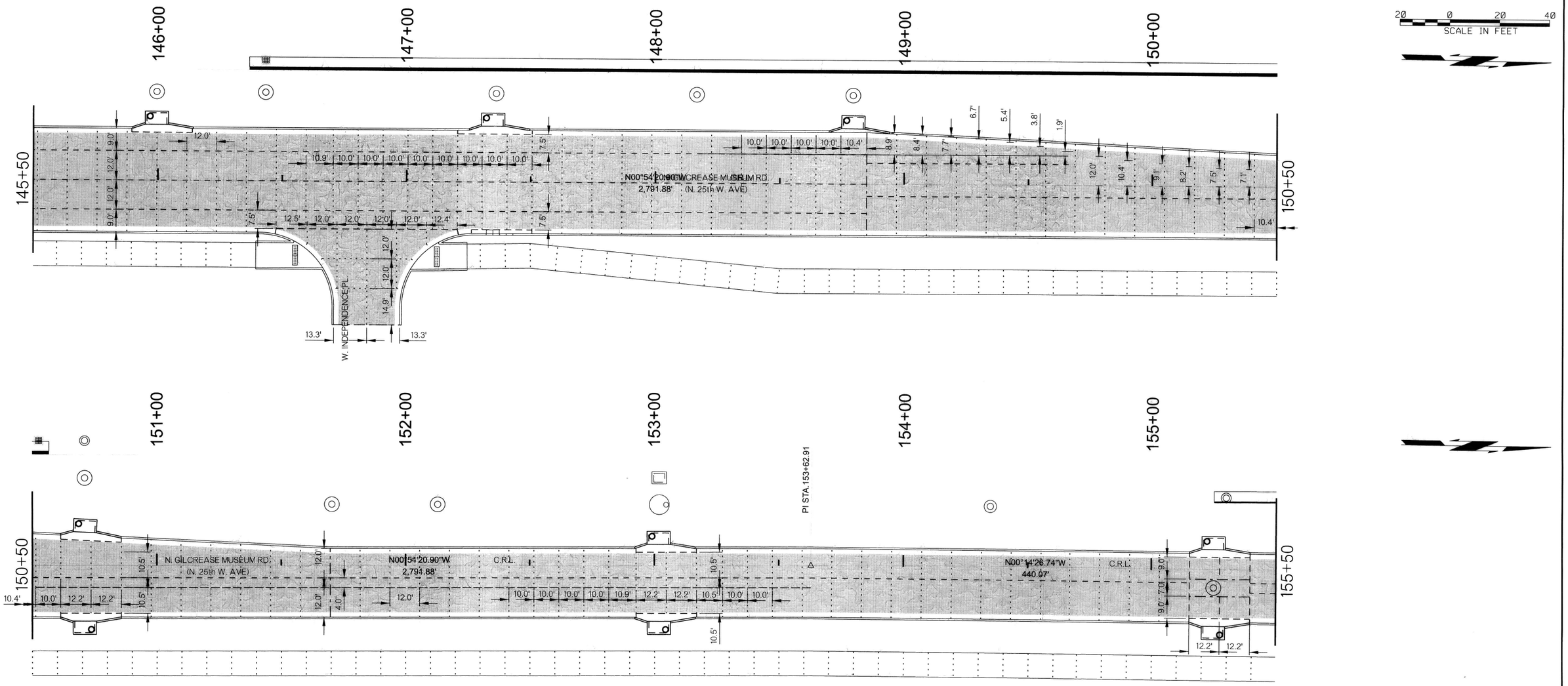
6/20/2025



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6/20/2025

LEGEND

- ISOLATION JOINT
- LONGITUDINAL JOINT
- TRANSVERSE JOINT (ODOT LTU-4-0)
- [R] REINFORCED CONCRETE PANEL (STEEL EST. 12LB/SY)

LICENSED PROFESSIONAL ENGINEER
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20681
OKLAHOMA
6/20/2025

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NOTE:
ALL TRANSVERSE JOINTS ARE
12' UNLESS OTHERWISE NOTES.

JOINT LAYOUT PLAN (3)

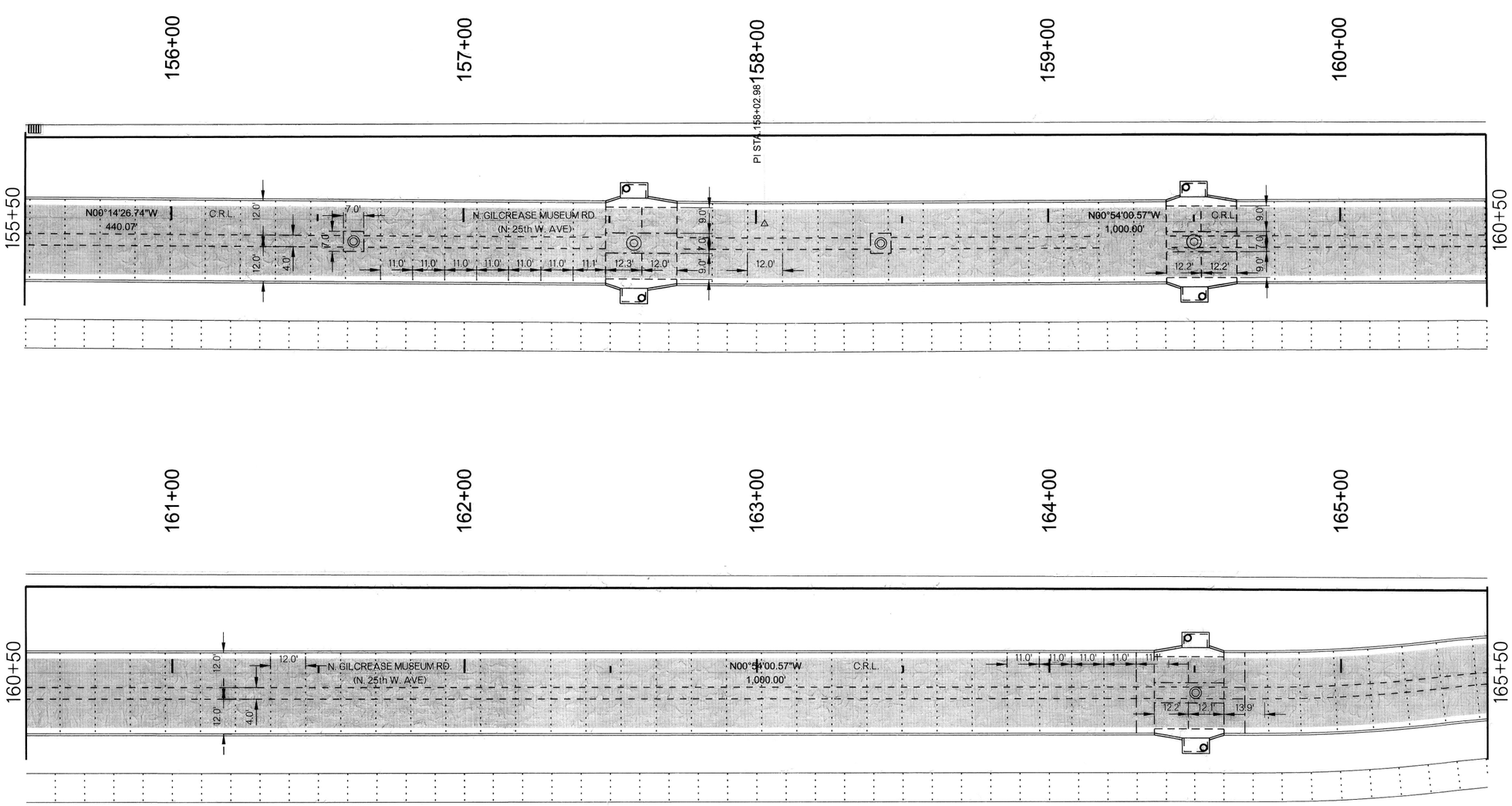
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL:	LEAD ENGR.		6/25	
1" = 20'	FIELD MGR.		6/25	
VERTICAL:	RECOMMENDED:			
1" = 5'	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 73 OF 268 SHEETS



SCALE IN FEET
20 0 20 40

NOTE:
ALL TRANSVERSE JOINTS ARE
12' UNLESS OTHERWISE NOTES.

LEGEND

- ISOLATION JOINT
- LONGITUDINAL JOINT
- TRANSVERSE JOINT (ODOT LTU-4-0)
- [R] REINFORCED CONCRETE PANEL (STEEL EST. 12LB/SY)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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JOINT LAYOUT PLAN (4)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

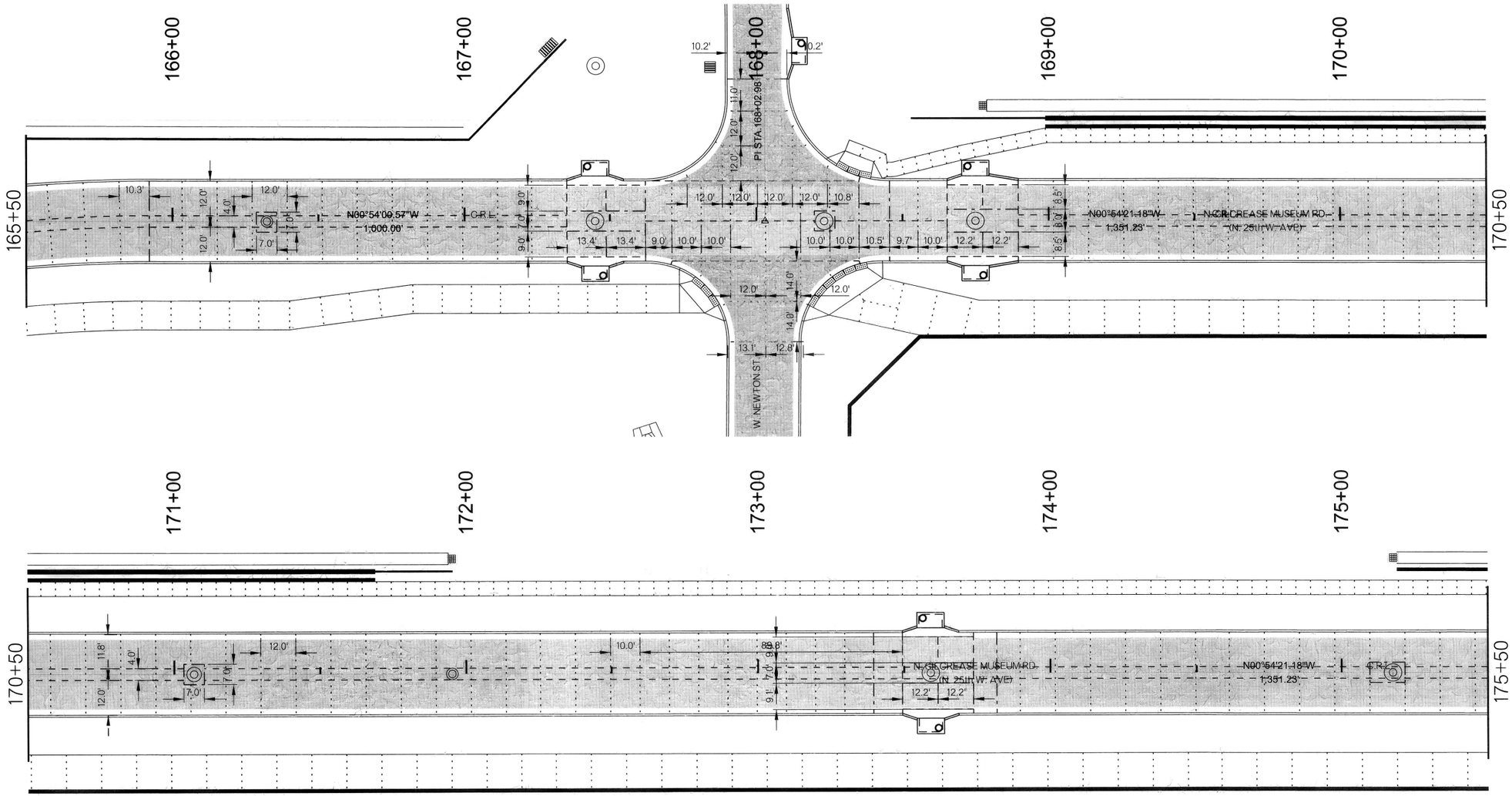
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	DQ	6/25	
	LEAD ENGR.	JB	6/25	
HORIZONTAL: 1" = 20'	FIELD MGR.	ZW	6/25	
VERTICAL 1" = 5'	RECOMMENDED DESIGN MANAGER	HAS	7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 74 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\RoadwaySht\s\21-1009-Joint Layout.dgn
6/20/2025



20 0 20 40
SCALE IN FEET

NOTE:
ALL TRANSVERSE JOINTS ARE
12' UNLESS OTHERWISE NOTES.

LEGEND

- ISOLATION JOINT
- LONGITUDINAL JOINT
- TRANSVERSE JOINT (ODOT LTU-4-0)
- [R] REINFORCED CONCRETE PANEL (STEEL EST. 12LB/SY)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
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811
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JOINT LAYOUT PLAN (5)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

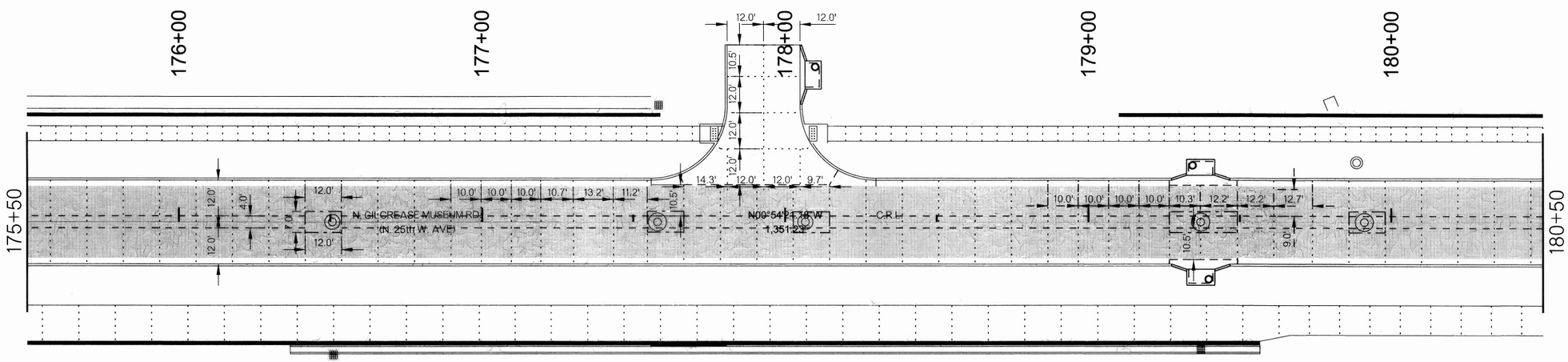
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

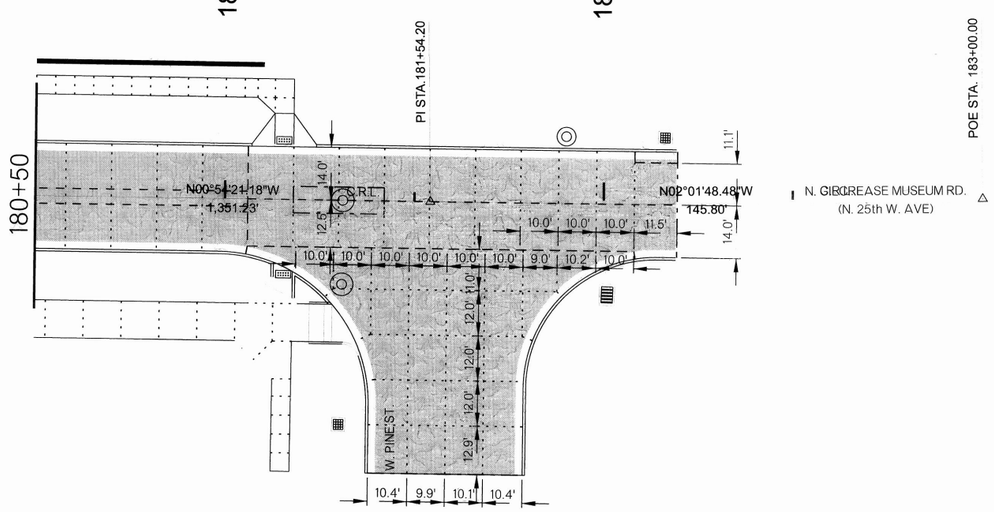
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED:			
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 75 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\Roadway\Shts\21-1009-Joint Layout.dgn
6/20/2025





20 0 20 40
SCALE IN FEET

NOTE:
ALL TRANSVERSE JOINTS ARE
12' UNLESS OTHERWISE NOTES.

LEGEND

- ISOLATION JOINT
- LONGITUDINAL JOINT
- TRANSVERSE JOINT (ODOT LTU-4-0)
- [R] REINFORCED CONCRETE PANEL (STEEL EST. 12LB/SY)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
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CALL OKIE

JOINT LAYOUT PLAN (6)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
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Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	04/2023	APPROVED:
1" = 20'	DESIGNED	POE	04/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL:	LEAD ENGR.		6/25	
1" =	FIELD MGR.		6/25	
VERTICAL	RECOMMENDED:			
1" =	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 76 OF 268 SHEETS

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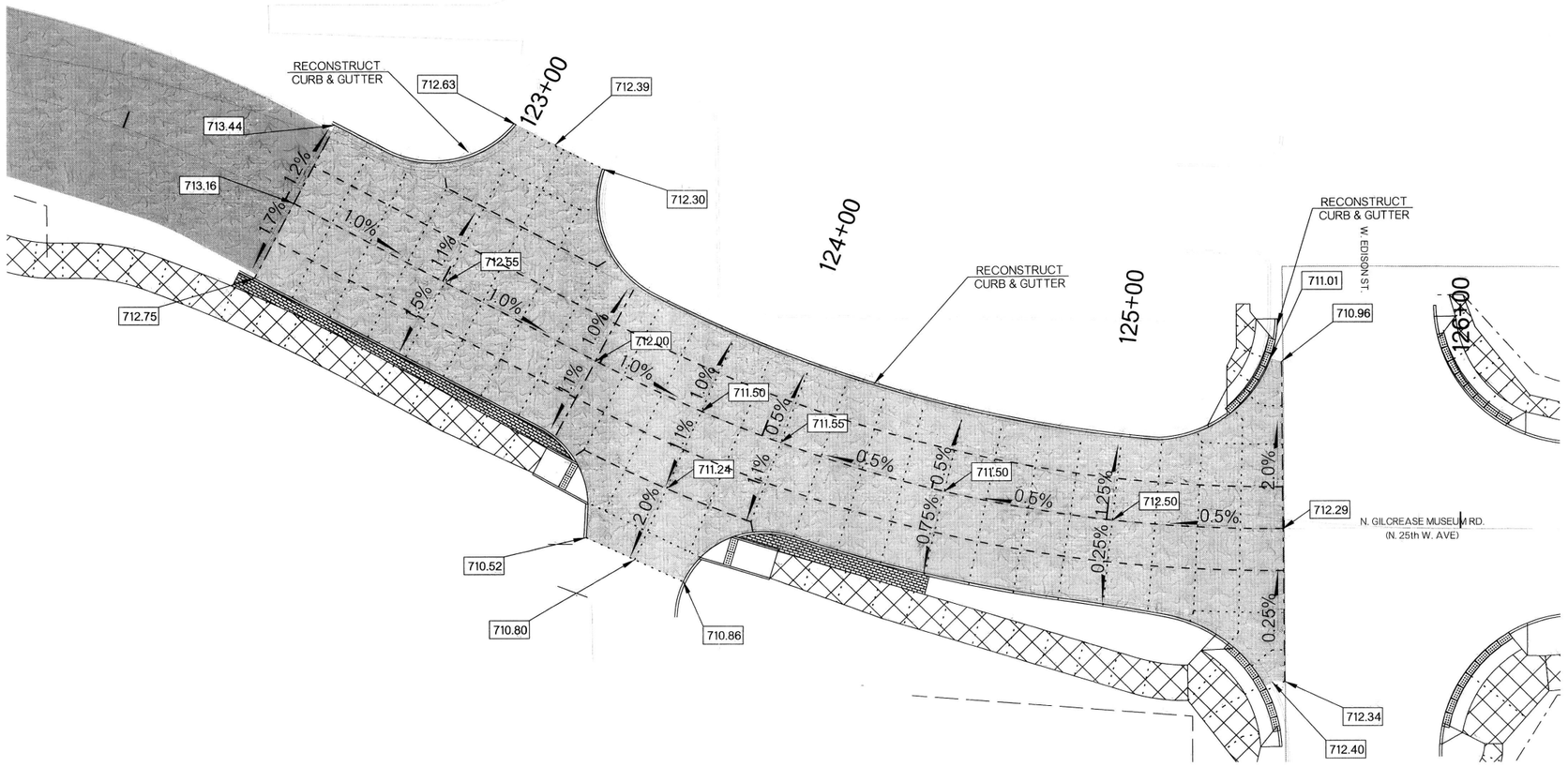
6/20/2025



LEGEND

————	ISOLATION JOINT
- - - - - - - - -	LONGITUDINAL JOINT
————	TRANSVERSE JOINT (ODOT LTU-4-0)
[R]	REINFORCED CONCRETE PANEL (STEEL EST. 12LB/SY)

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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JOINT LAYOUT SHEET (07)
STA. 122+52.65-STA. 125+49.72

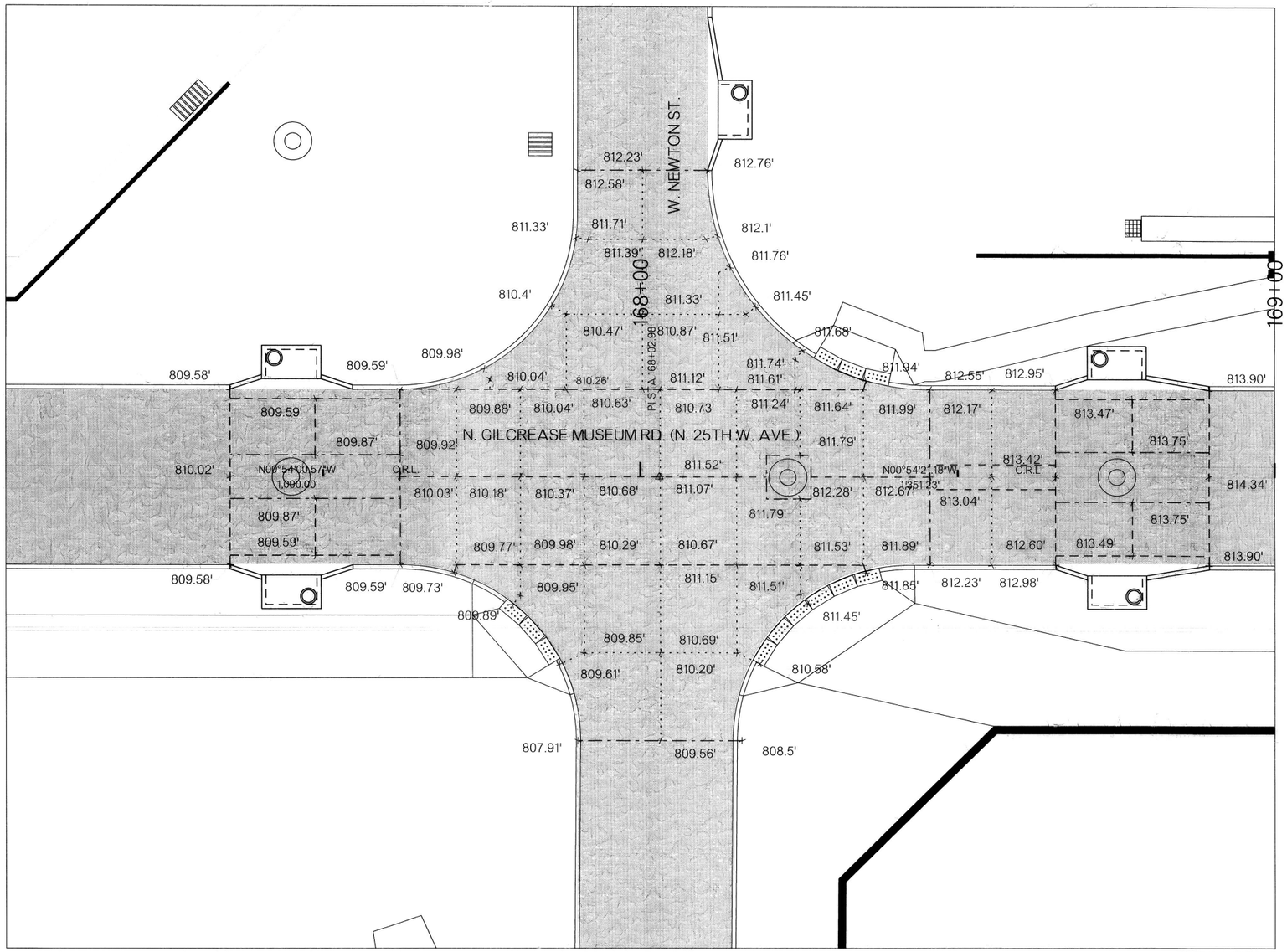
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = 20'	DESIGNED	POE	06/2023	
	SURVEY		2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
	LEAD ENGR.		6/25	
HORIZONTAL: 1" = 20'	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED			CITY ENGINEER
	DESIGN MANAGER			
FILE: H:\21-1009	DRAWING: 21-1009-Joint Layout Newton Edson			DATE: 7/8/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 77 OF 268 SHEETS



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SCALE IN FEET

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INTERSECTION DETAIL (NEWTON)

ARTERIAL STREET RECONSTRUCTION
GILCREASE MUSEUM ROAD S. 25th W. AVE.
PROJECT NOS. 144105, 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

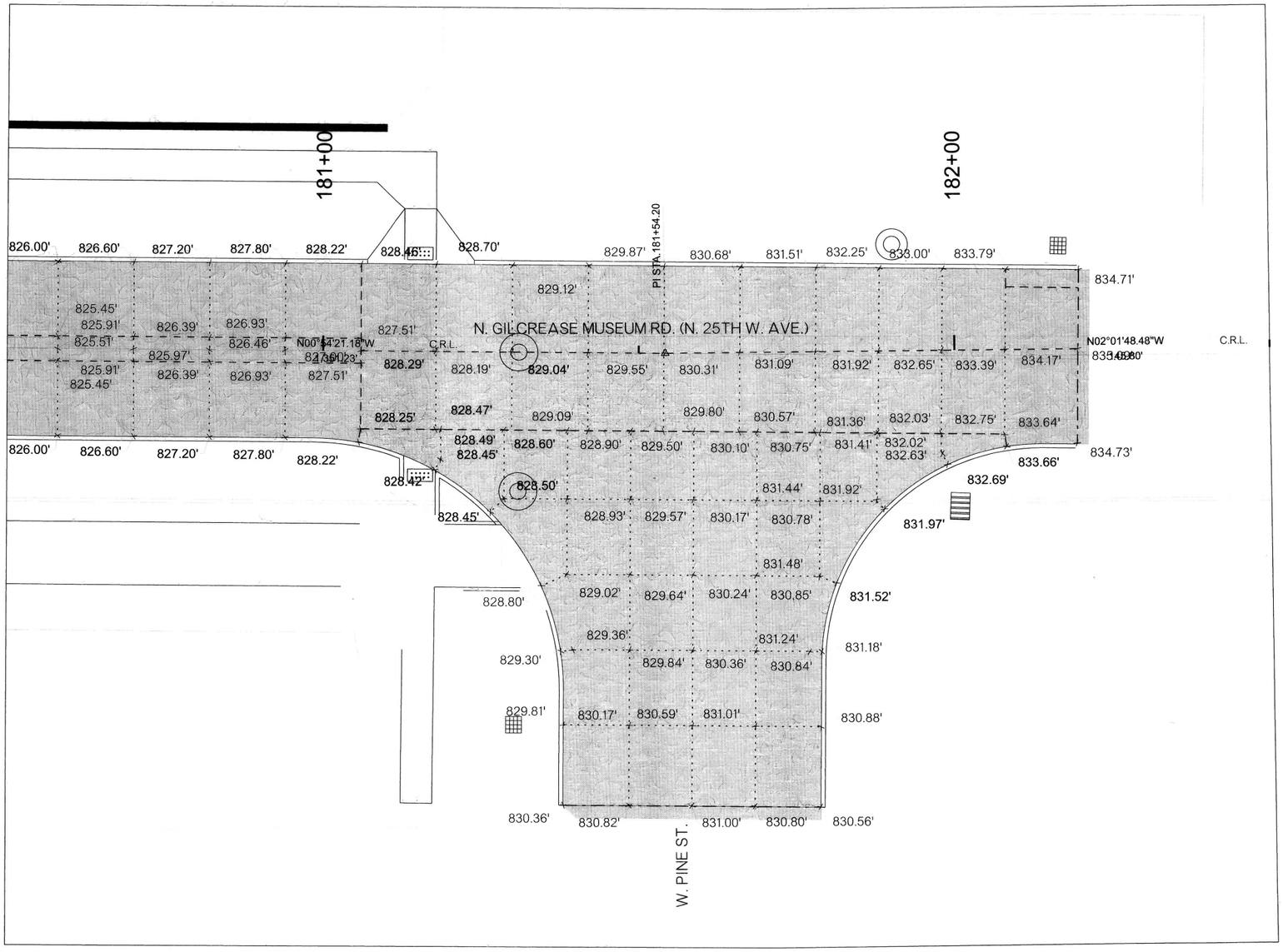
LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG OKIE 811 1-800-522-OKIE CALL OKIE

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	3/2022	APPROVED:
1"=20'	DESIGNED	POE	3/2022	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
	LEAD ENGR.		6/25	
HORIZONTAL: N/A	FIELD MGR.		6/25	
	RECOMMENDED		7-25	CITY ENGINEER
VERTICAL N/A	DESIGN MANAGER			DATE: 7/3/2025
FILE: POE_COT.CEL				SHEET 79 OF 268 SHEETS
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				

10 0 10 20
SCALE IN FEET



INTERSECTION DETIAL (PINE)

ARTERIAL STREET RECONSTRUCTION
GILCREASE MUSEUM ROAD S. 25th W. AVE.
PROJECT NOS. 144105, 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	3/2022	APPROVED:
1"=20'	DESIGNED	POE	3/2022	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL N/A	RECOMMENDED:	HAS	7/25	
	DESIGN MANAGER			CITY ENGINEER
FILE: POE_COT.CEL				DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 80 OF 268 SHEETS

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
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811
CALL OKIE

I:\21-1009 25th Widening\Plan Sheets\Roadway\Shts\21-1009-Intersection details.dgn
6/20/2025 2:30:39 PM

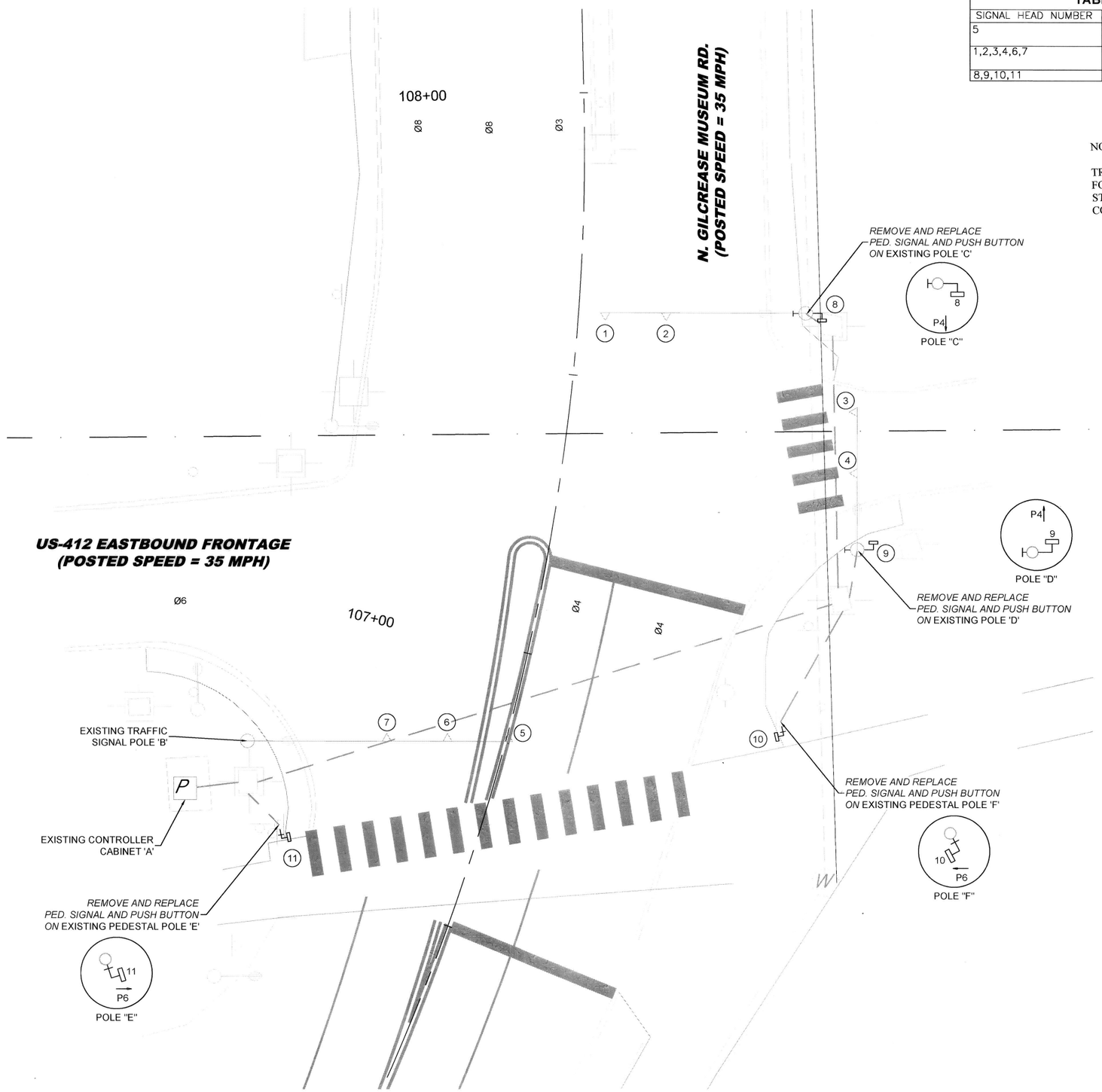

TABLE 1 - SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
5	EXISTING (#64L) TO REMAIN	–	–	–
1,2,3,4,6,7	EXISTING (#36) TO REMAIN	–	–	–
8,9,10,11	4–ONE WAY (#33)	CLAMP	–	–

NOTE:

TRAFFIC SIGNING AND STRIPING SHEETS ARE FOR BIDDING PURPOSES ONLY. FINAL SIGN AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.

TRAFFIC SIGNAL LEGEND

SYMBOL	DESCRIPTION
	PULL BOX
	CONTROLLER CABINET
R1	PROPOSED CONDUIT RUN
X1	EXISTING CONDUIT RUN
1	SIGNAL HEAD NUMBER
	PED. PUSH BUTTON/SIGNAL HEAD
ø4	SIGNAL PHASE

NOTES:

1. THE CONTRACTOR SHALL CONTACT THE CITY OF TULSA AND THE UTILITY COMPANIES FOR POSSIBLE UNDERGROUND EXISTING UTILITIES NOT SHOWN ON THE PLANS. THIS SHOULD BE DONE BEFORE TRENCHING OR PUSHING THE ELECTRICAL CONDUITS.
2. CARE SHALL BE TAKEN TO PRESERVE EXISTING TRAFFIC SIGNAL CONDUITS AND LOOP DETECTOR WIRE.
3. THE POLE ENLARGEMENT DETAIL IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE PLACEMENT OF THE PEDESTRIAN PUSH BUTTONS AND SIGNAL HEADS SHALL BE INSTALLED ON THE POLES SUCH THAT THE SIGNAL HEADS ARE VISIBLE FROM THE CROSSWALK AND THE PUSH BUTTONS ARE UNOBSTRUCTED AND ADJACENT TO AND WITHIN 10" MAXIMUM TO A LEVEL, ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR. THE PUSH BUTTONS ARE TO BE MOUNTED ON THE SIDE OF THE POLE CLOSEST TO THE CORRESPONDING CROSSWALK.
4. THE EXISTING TRAFFIC SIGNAL PHASING AND TIMING PLANS SHALL BE MAINTAINED.

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
Ryan E. Henderson
27234
12/31/2025
OKLAHOMA

BEFORE YOU DIG 811 CALL OKIE

0 5 10 20

SIGNAL LAYOUT PLAN
N. GILCREASE MUSEUM RD. &
US-412 E.B. FRTG. RD.

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z, 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

1111 N LEE AVE
SUITE 236
OKLAHOMA CITY, OK 73103
PHONE: (405) 384-5127
OK C.A. #5860 EXP. 06/30/2025
LEE ENGINEERING

PLAN SCALE			
1" = 10'	DRAWN	LEE	6/2025
	DESIGNED	LEE	6/2025
	SURVEY		
PROFILE SCALES:	PROJECT MGR.		
	LEAD ENGR.		
	FIELD MGR.		
HORIZONTAL: N/A	RECOMMENDED: HAS 7-23 DESIGN MANAGER		
VERTICAL: N/A			

CITY ENGINEER

FILE:

DATE: 7/3/2025

ATLAS PAGE NO:

SHEET: 81 OF 268

NO.	DATE	REVISION DESCRIPTION

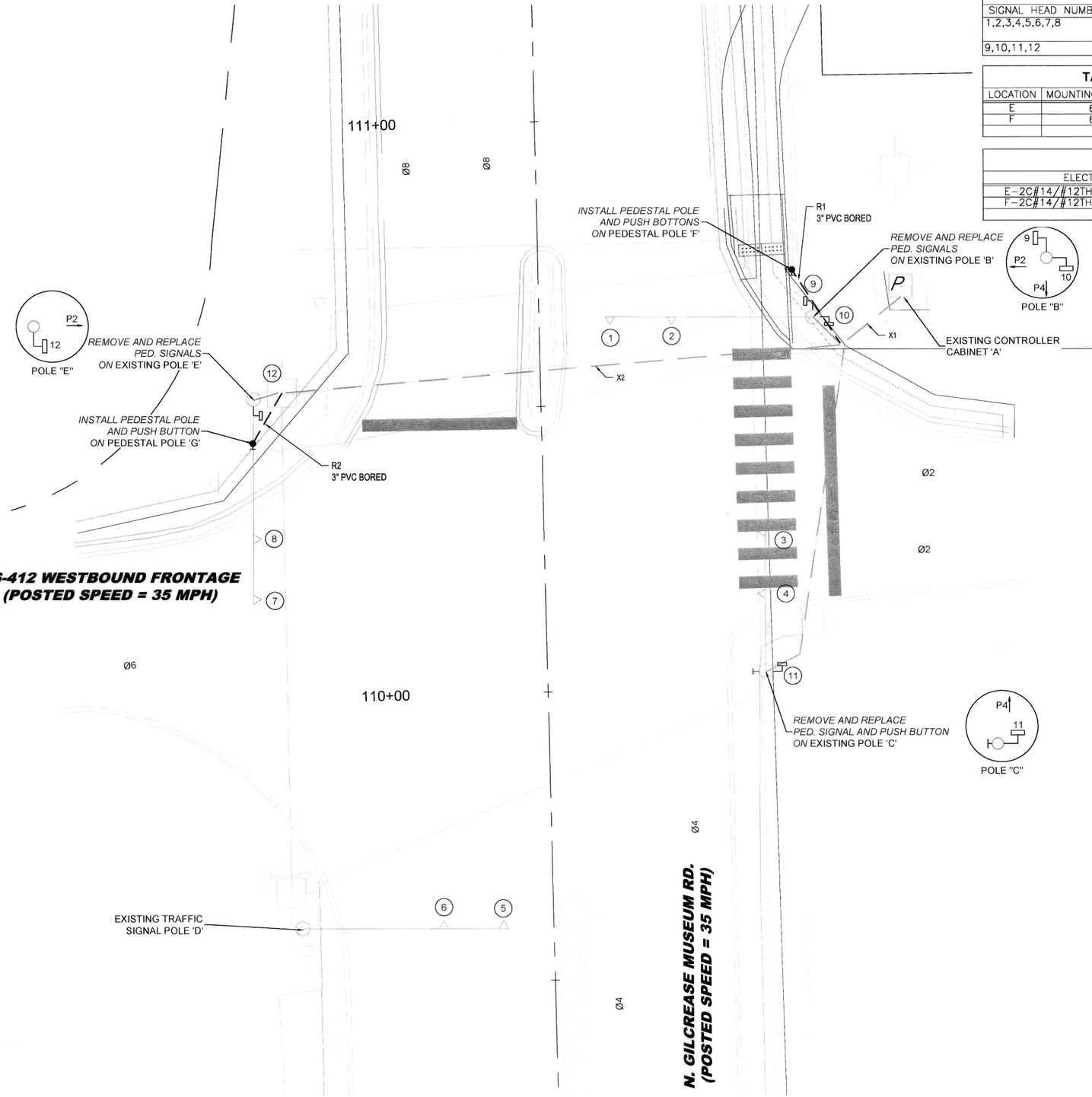

TABLE 1 - SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
1,2,3,4,5,6,7,8	EXISTING (#36) TO REMAIN	–	–	–
9,10,11,12	4–ONE WAY (#33)	CLAMP	–	–

TABLE 2 - MAST ARMS & POLES

LOCATION	MOUNTING HEIGHT	MAST ARM LENGTHS	FOUNDATION
E	6'	PEDESTRIAN PUSH BUTTON POLE	F-1
F	6'	PEDESTRIAN PUSH BUTTON POLE	F-1

TABLE 3 - CABLE

ELECTRICAL CABLE TO CONTROLLER LOCATION
E-2C#14/#12THHN/#6THHN
F-2C#14/#12THHN/#6THHN

NOTE:

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TRAFFIC SIGNAL LEGEND

SYMBOL	DESCRIPTION
	PULL BOX
	CONTROLLER CABINET
R1	PROPOSED CONDUIT RUN
X1	EXISTING CONDUIT RUN
1	SIGNAL HEAD NUMBER
	PED. POLE/PUSH BUTTON/SIGNAL HEAD
ø4	SIGNAL PHASE

NOTES:

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4. THE EXISTING TRAFFIC SIGNAL PHASING AND TIMING PLANS SHALL BE MAINTAINED.

SUMMARY OF CONDUIT & CABLES TO CONTROLLER

RUN NO.	NO. OF NEW CONDUITS	3" PVC TRENCHED	#6 THHN BONDING WIRE	#12 THHN PULL WIRE	2C#14
		L.F.	L.F.	L.F.	L.F.
R1	1	15	25	25	25
R2	1	10	20	20	20
	TOTALS	25	45	45	45

SUMMARY OF CABLE INSIDE POLE AND MAST ARM

POLE NO.	2C#14
	L.F.
E	10
F	10
TOTALS	20

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER Ryan E. Henderson 27234 OKLAHOMA

BEFORE YOU DIG OKLAHOMA 811 CALL OKIE

0 5 10 20

SIGNAL LAYOUT PLAN
N. GILCREASE MUSEUM RD. &
US-412 W.B. FRTG. RD.

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z, 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

1111 N LEE AVE
SUITE 236
OKLAHOMA CITY, OK 73103
PHONE: (405) 384-5127
OK C.A. #5860 EXP. 06/30/2025
LEE ENGINEERING

PLAN SCALE 1" = 10'	DRAWN	LEE	6/2025
	DESIGNED	LEE	6/2025
	SURVEY		
PROFILE SCALES:	PROJECT MGR.		
	LEAD ENGR.		
	FIELD MGR.		
HORIZONTAL: N/A	RECOMMENDED: HB 7-25		
VERTICAL: N/A	DESIGN MANAGER		
	CITY ENGINEER		
FILE:	DATE: 7/3/2025		
ATLAS PAGE NO:	SHEET: 82 OF 268		

NO.	DATE	REVISION DESCRIPTION

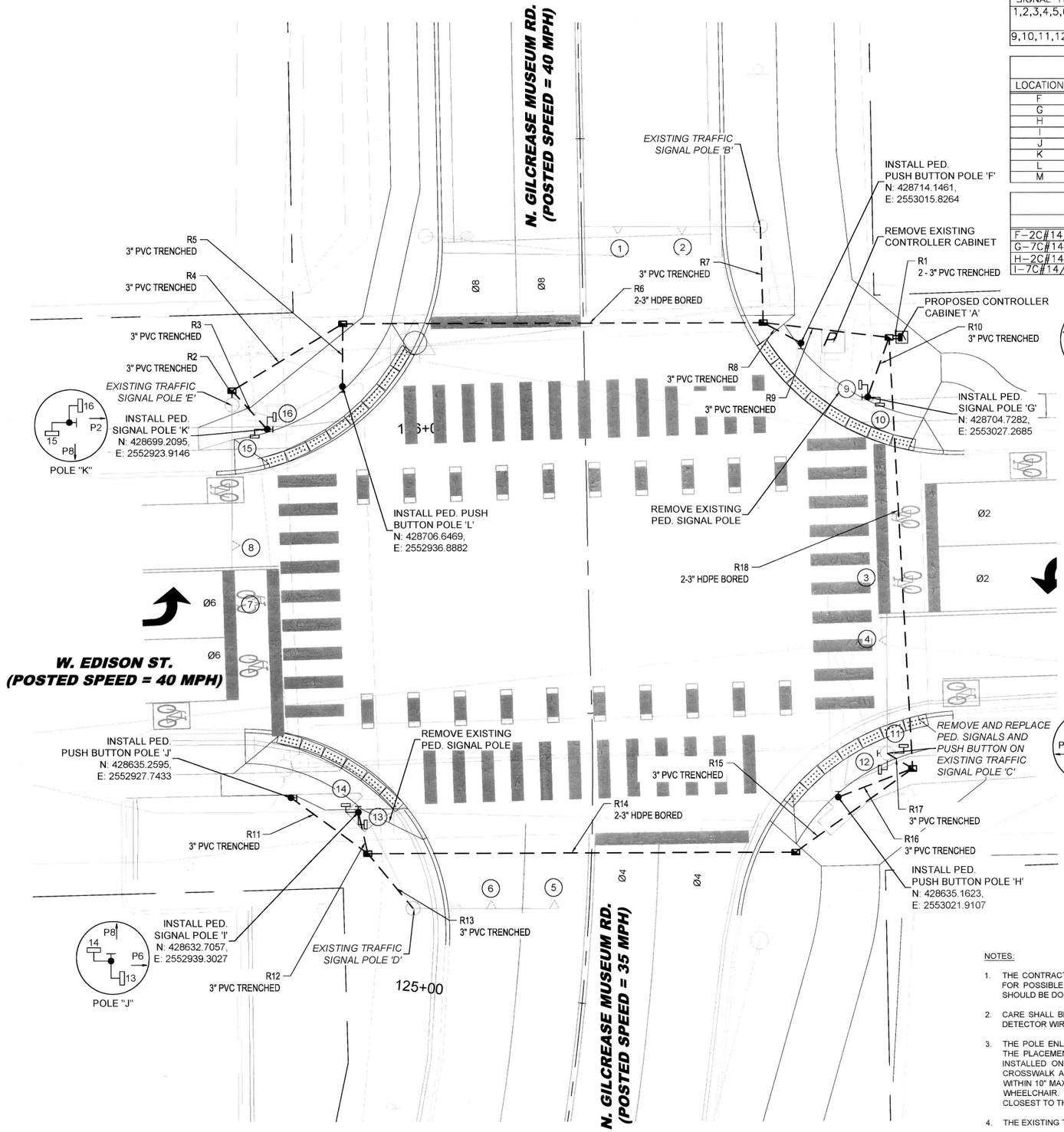

TABLE 1 - SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
1,2,3,4,5,6,7,8	EXISTING (#36) TO REMAIN	–	–	–
9,10,11,12,13,14,15,16	8-ONE WAY (#33)	CLAMP	–	–

TABLE 2 - MAST ARMS & POLES

LOCATION	MOUNTING HEIGHT	MAST ARM LENGTHS	FOUNDATION
F	6'	PEDESTRIAN PUSH BUTTON POLE	F-1
G	10'	PED. SIGNAL PEDESTAL POLE	F-1
H	6'	PEDESTRIAN PUSH BUTTON POLE	F-1
I	6'	PEDESTRIAN PUSH BUTTON POLE	F-1
J	10'	PED. SIGNAL PEDESTAL POLE	F-1
K	6'	PEDESTRIAN PUSH BUTTON POLE	F-1
L	10'	PED. SIGNAL PEDESTAL POLE	F-1
M	6'	PEDESTRIAN PUSH BUTTON POLE	F-1

TABLE 3 - CABLE

ELECTRICAL CABLE TO CONTROLLER LOCATION	
F-2C#14/#12THHN/#6THHN	J-7C#14/7C#14/#12THHN/#6THHN
G-7C#14/7C#14/#12THHN/#6THHN	K-2C#14/#12THHN/#6THHN
H-2C#14/#12THHN/#6THHN	L-7C#14/7C#14/#12THHN/#6THHN
I-7C#14/#12THHN/#6THHN	M-2C#14/#12THHN/#6THHN

TRAFFIC SIGNAL LEGEND

SYMBOL	DESCRIPTION
	PULL BOX
	CONTROLLER CABINET
R1	PROPOSED CONDUIT RUN
X1	EXISTING CONDUIT RUN
	PROPOSED TRAFFIC SIGNAL POLE WITH MAST ARM, SIGNAL HEADS, AND PUSHBUTTON
1	SIGNAL HEAD NUMBER
ø4	SIGNAL PHASE
	PED. POLE/BUTTON/SIGNAL HEAD

NOTE:

TRAFFIC SIGNING AND STRIPING SHEETS ARE FOR BIDDING PURPOSES ONLY. FINAL SIGN AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.

NOTES:

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0 5 10 20

NO.	DATE	REVISION DESCRIPTION

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER Ryan E. Henderson 27234 6/12/2025 OKLAHOMA

BEFORE YOU DIG 811 CALL OKIE

SIGNAL LAYOUT PLAN
N. GILCREASE MUSEUM RD. &
W. EDISON ST.

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z, 2036A0024Z

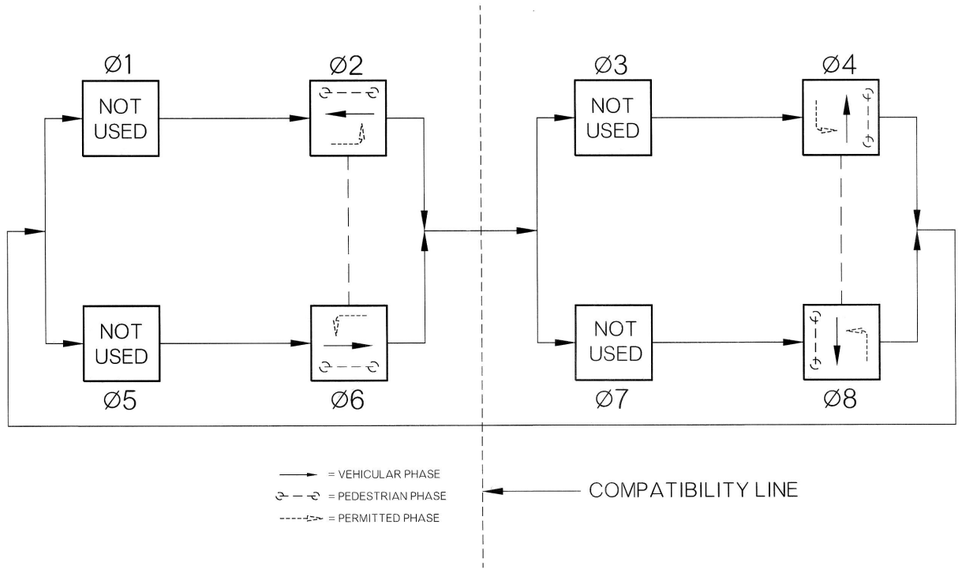
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

1111 N LEE AVE
SUITE 236
OKLAHOMA CITY, OK 73103
PHONE: (405) 384-5127
OK C.A. #5860 EXP. 06/30/2025
LEE ENGINEERING

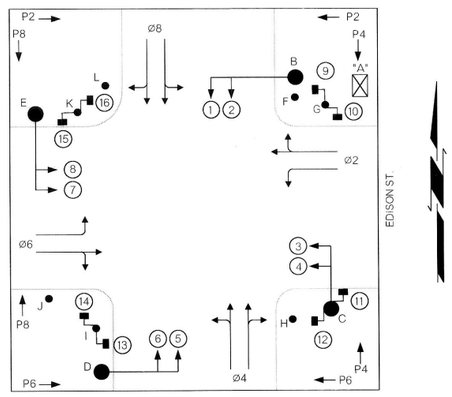
PLAN SCALE 1" = 10'	DRAWN	LEE	6/2025
	DESIGNED	LEE	6/2025
	SURVEY		
PROFILE SCALES:	PROJECT MGR.		
	LEAD ENGR.		
	FIELD MGR.		
HORIZONTAL: N/A	RECOMMENDED:		
VERTICAL: N/A	DESIGN MANAGER		

CITY ENGINEER

FILE:
DATE: 7/3/2025
ATLAS PAGE NO:
SHEET: 83 OF 268



RING AND BARRIER PHASING DIAGRAM



INTERSECTION PHASE AND SIGNAL HEAD NUMBERS

SUMMARY OF CONDUIT & CABLES TO CONTROLLER

RUN NO.	NO. OF NEW CONDUITS	2-3" HDPE BORED	3" PVC TRENCHED	2C#14	4C#14	7C#14	20C#14
		L.F.	L.F.	L.F.	L.F.	L.F.	L.F.
R1	2		20	300	420	150	180
R2	1		5	0	20	10	10
R3	1		10	15	30	0	0
R4	1		25	35	0	35	35
R5	1		10	15	0	0	0
R6	2	75		255	340	170	170
R7	1		20	50	50	25	25
R8	1		10	15	0	0	0
R9	1		25	210	210	105	105
R10	1		15	20	40	0	0
R11	1		20	25	0	0	0
R12	1		10	15	30	15	0
R13	1		15	0	40	0	20
R14	2	75		170	340	85	85
R15	1		25	70	140	35	35
R16	1		15	20	0	0	0
R17	1		10	0	30	15	30
R18	2	80		270	540	180	270
	TOTALS	230	250	1,485	2,230	825	965

SUMMARY OF CABLE INSIDE POLE AND MAST ARM

POLE NO.	2C#14	4C#14
	L.F.	L.F.
C		20
F	10	
G	10	20
H	10	
I	10	20
J	10	
K	10	20
L	10	
TOTALS	70	80

NOTE:

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EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
Ryan E. Henderson
27234
6/12/2025
OKLAHOMA

BEFORE YOU DIG OKLAHOMA 811 CALL OKIE

PHASING DIAGRAM AND SIGNAL SUMMARY
N. GILCREASE MUSEUM RD. &
W. EDISON ST.

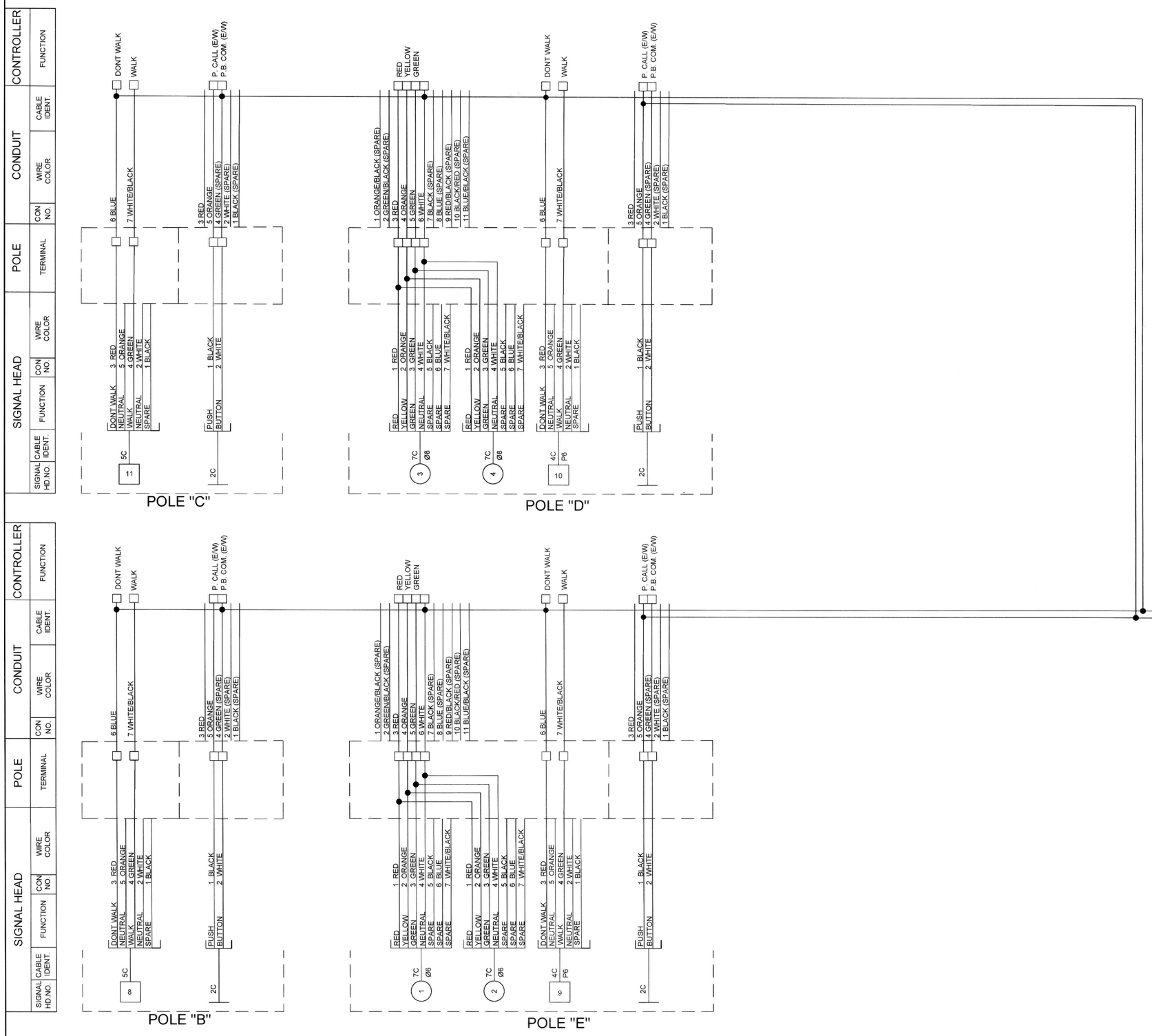
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z, 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

1111 N LEE AVE
SUITE 236
OKLAHOMA CITY, OK 73103
PHONE: (405) 384-5127
OK C.A. #5860 EXP. 06/30/2025
LEE ENGINEERING

PLAN SCALE 1" = 10'	DRAWN	LEE	6/2025
	DESIGNED	LEE	6/2025
	SURVEY		
PROFILE SCALES:	PROJECT MGR.		
	LEAD ENGR.		
	FIELD MGR.		
HORIZONTAL: N/A	RECOMMENDED: HAB 7-25		
VERTICAL: N/A	DESIGN MANAGER		
	CITY ENGINEER		
FILE:	DATE: 7/3/2025		
ATLAS PAGE NO:	SHEET: 84 OF 268		

NO.	DATE	REVISION DESCRIPTION



NOTE:

TRAFFIC SIGNING AND STRIPING SHEETS ARE FOR BIDDING PURPOSES ONLY. FINAL SIGN AND STRIPING SHEETS WILL BE PROVIDED WITH CONFORMED DRAWINGS.

NOTES:

1. IF JUMPERS OR OTHER CONNECTIONS ARE MADE IN THE FIELD DURING INSTALLATION AND ARE ACCEPTED BY THE ENGINEER, THIS SHOULD BE SHOWN ON THE WIRING DIAGRAM FOR FUTURE REFERENCE.
2. THE WIRING DIAGRAM IS FURNISHED AS AN INSTALLATION GUIDELINE ONLY. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE WIRING REQUIRED FOR THE INTENDED OPERATION.
3. MATCH EXISTING CONDUIT COLORS AT EACH CORNER OF THE INTERSECTION.

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
Ryan E. Henderson
27234
7/3/2025
OKLAHOMA

BEFORE YOU DIG 811 CALL OKIE

WIRING DIAGRAM
N. GILCREASE MUSEUM RD. &
US-412 E.B. FRTG. RD.

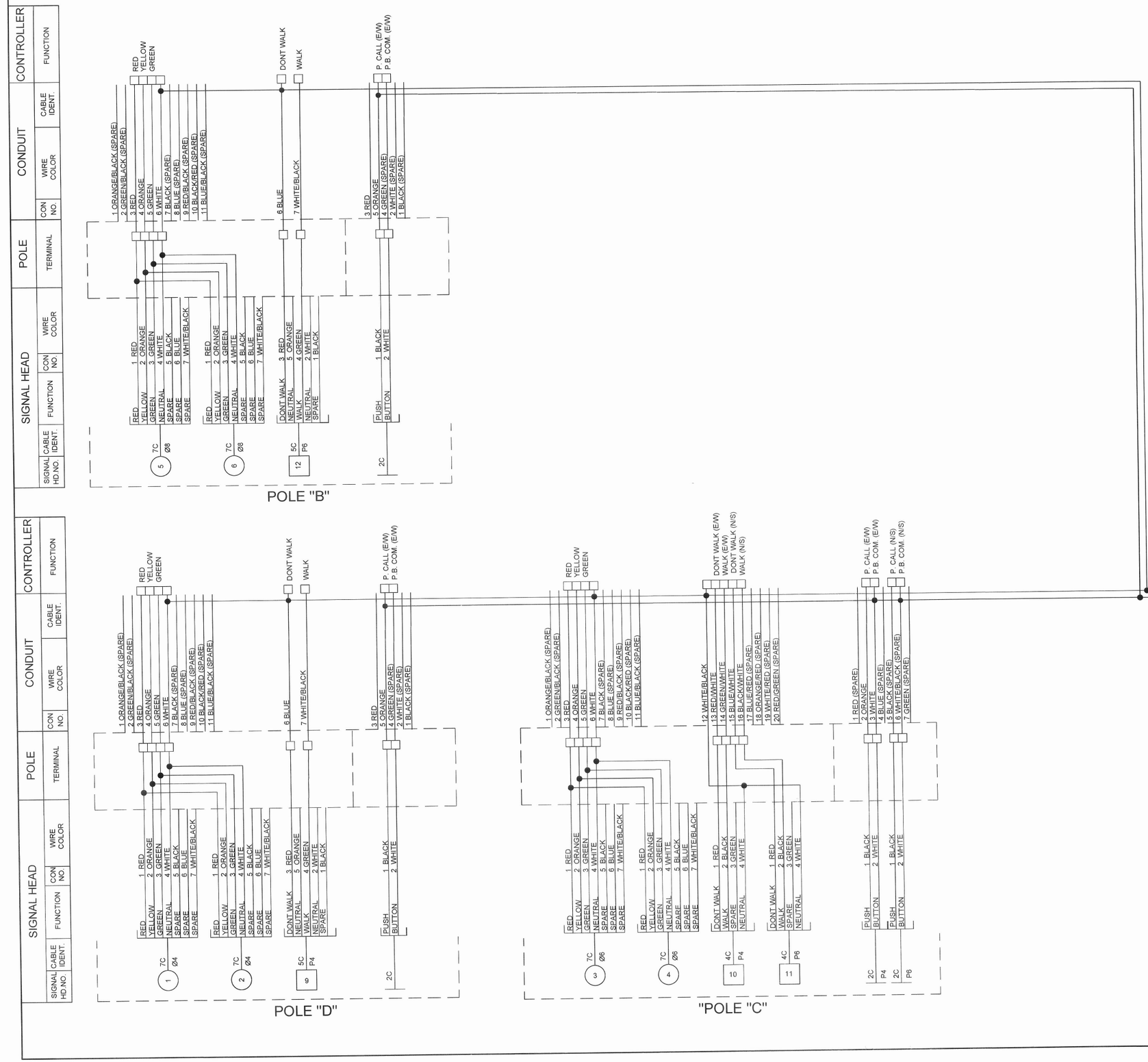
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z, 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

1111 N LEE AVE
SUITE 236
OKLAHOMA CITY, OK 73103
PHONE: (405) 384-5127
OK C.A. #5860 EXP. 06/30/2025
LEE ENGINEERING

PLAN SCALE N/A	DRAWN	LEE	6/2025
	DESIGNED	LEE	6/2025
	SURVEY		
PROFILE SCALES:	PROJECT MGR.		
	LEAD ENGR.		
	FIELD MGR.		
HORIZONTAL: N/A	RECOMMENDED: HBS 7-2-25 DESIGN MANAGER		
VERTICAL: N/A			CITY ENGINEER
FILE:			DATE: 7/3/2025
ATLAS PAGE NO:			SHEET: 85 OF 268

NO.	DATE	REVISION DESCRIPTION



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EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
Ryan E. Henderson
27234
12/31/25
OKLAHOMA

BEFORE YOU DIG
811
800-522-6543
CALL OKIE

WIRING DIAGRAM
N. GILCREASE MUSEUM RD. & US-412 W.B. FRTG. RD.

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z, 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

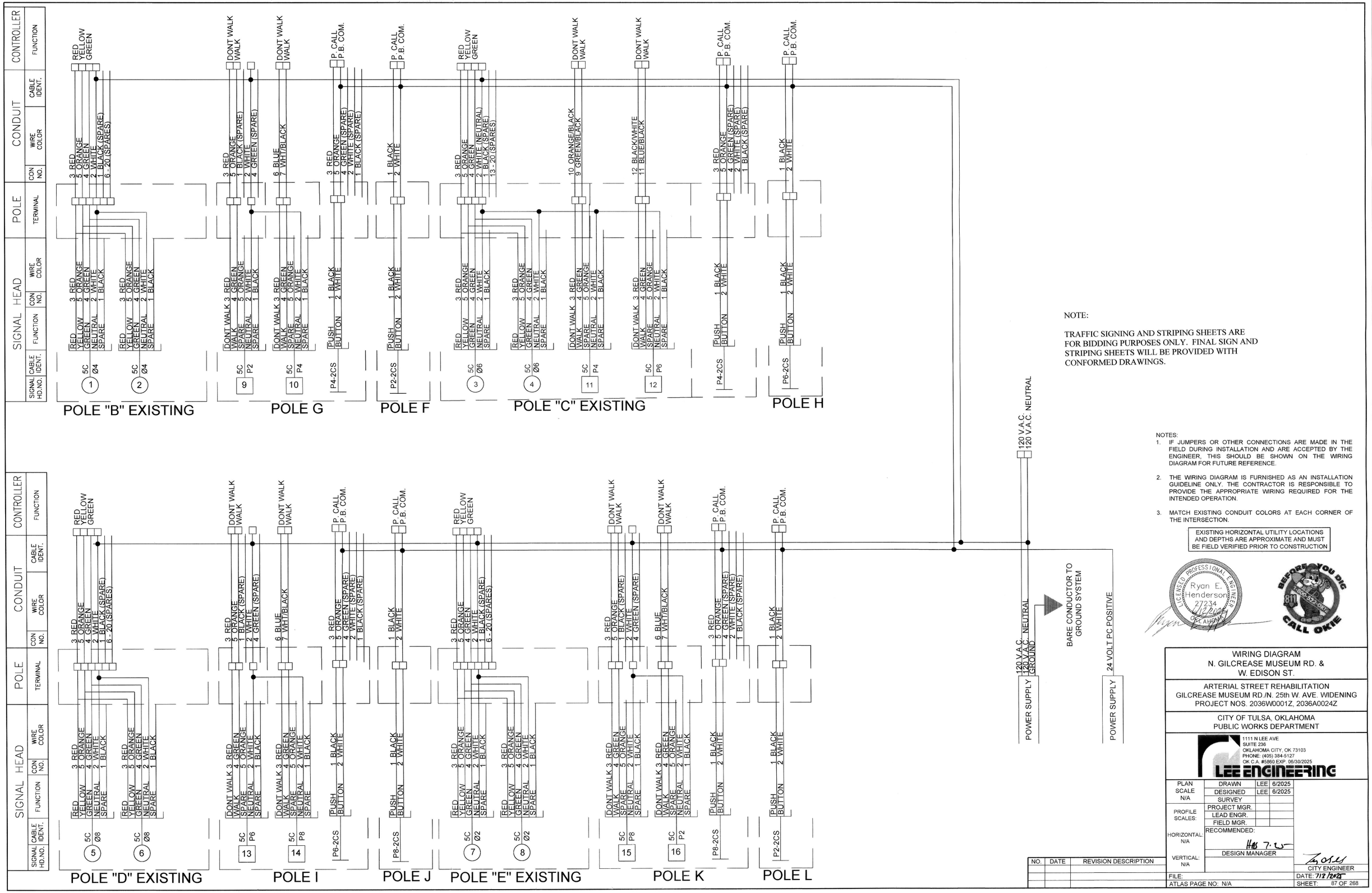
1111 N LEE AVE
SUITE 236
OKLAHOMA CITY, OK 73103
PHONE: (405) 384-5127
OK C.A. #5860 EXP. 06/30/2025
LEE ENGINEERING

PLAN SCALE N/A	DRAWN	LEE	6/2025
	DESIGNED	LEE	6/2025
	SURVEY		
PROFILE SCALES:	PROJECT MGR.		
	LEAD ENGR.		
	FIELD MGR.		
HORIZONTAL: N/A	RECOMMENDED:		
	DESIGN MANAGER		
VERTICAL: N/A			

CITY ENGINEER

FILE:
ATLAS PAGE NO:
DATE: 7/3/2025
SHEET: 86 OF 268

NO.	DATE	REVISION DESCRIPTION



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LICENSED PROFESSIONAL ENGINEER
Ryan E. Henderson
27234
6/12/2025
OKLAHOMA

BEFORE YOU DIG 811 CALL OKIE

NO.	DATE	REVISION DESCRIPTION

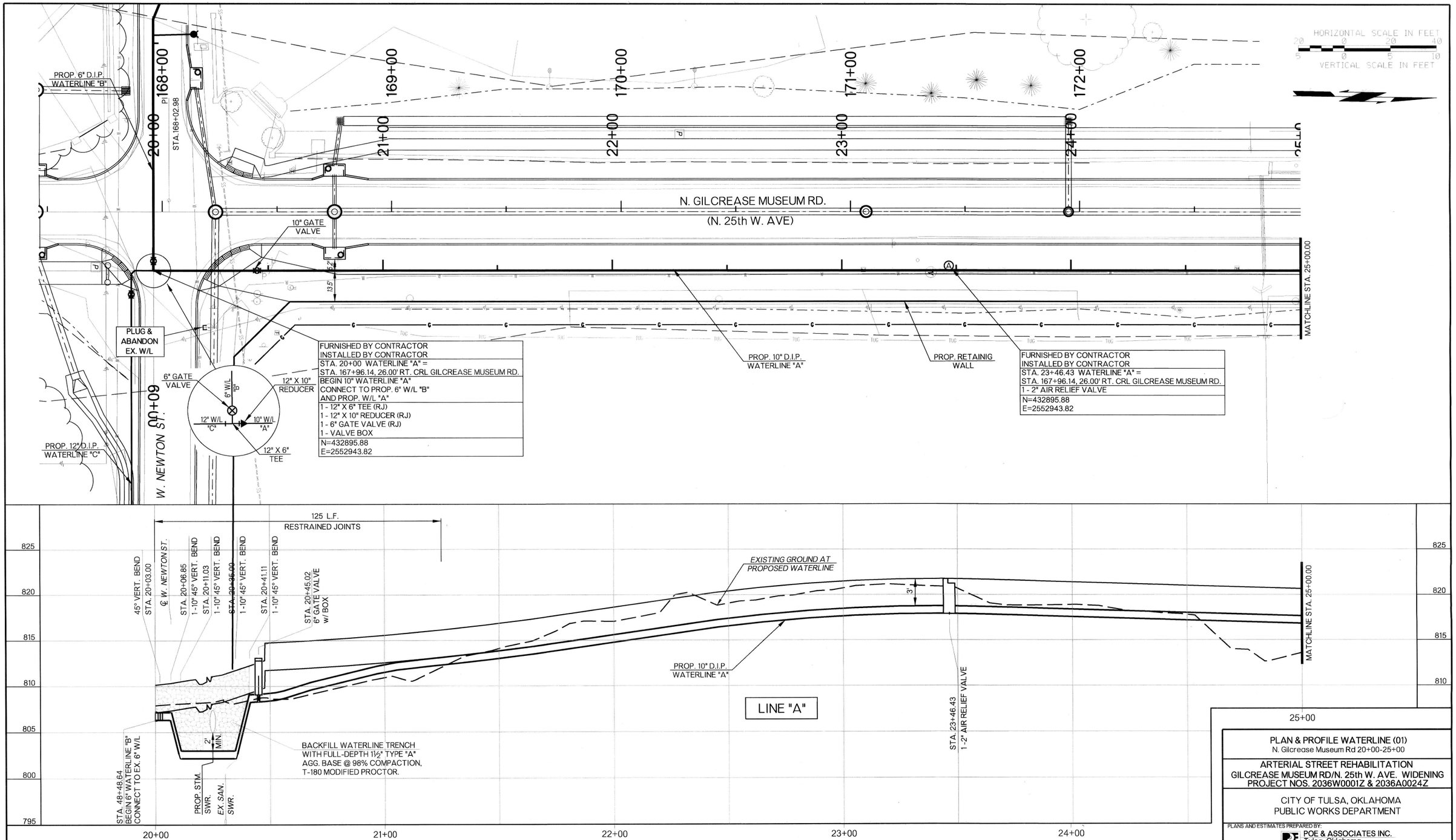
WIRING DIAGRAM
N. GILCREASE MUSEUM RD. &
W. EDISON ST.

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z, 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

1111 N LEE AVE
SUITE 236
OKLAHOMA CITY, OK 73103
PHONE: (405) 384-5127
OK C.A. #5860 EXP. 06/30/2025
LEE ENGINEERING

PLAN SCALE N/A	DRAWN	LEE	6/2025
	DESIGNED	LEE	6/2025
	SURVEY		
PROFILE SCALES:	PROJECT MGR.		
	LEAD ENGR.		
	FIELD MGR.		
HORIZONTAL: N/A	RECOMMENDED:		
VERTICAL: N/A	DESIGN MANAGER		
	CITY ENGINEER		
FILE:	DATE: 7/3/2025		
ATLAS PAGE NO: N/A	SHEET: 87 OF 268		



LEGEND

PROPOSED WATERLINE	(1") RESET WATER METER
1½" TYPE "A" AGGREGATE BASE	TYPE I P.C.C. PATCHING

REGISTERED PROFESSIONAL ENGINEER
GREGORY JAMES COKER
16840
OKLAHOMA
6-19-25

BEFORE YOU DIG
1-800-522-OKIE
811
CALL OKIE

PLAN & PROFILE WATERLINE (01)
N. Gilcrease Museum Rd 20+00-25+00

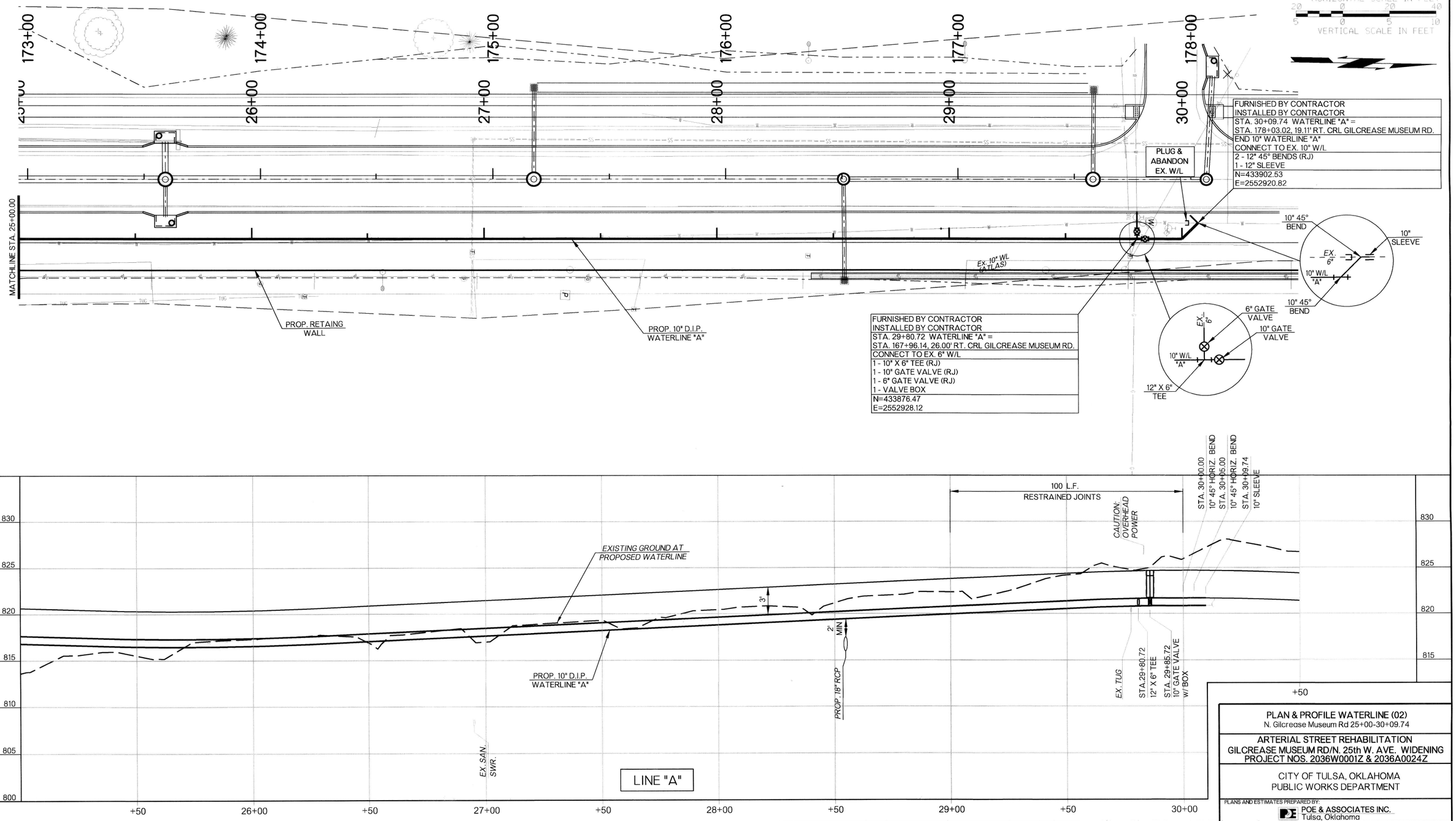
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'/A	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	CJS	6/25	
HORIZONTAL: 1" = 20'/A	LEAD ENGR.	CEW	6/25	
	FIELD MGR.	[illegible]	6/25	
VERTICAL 1" = 90'/A	RECOMMENDED: EGP 7/25 DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-WATERLINE PNP(1-3) GMR			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 88 OF 268 SHEETS



PLAN & PROFILE WATERLINE (02)

N. Gilcrease Museum Rd 25+00-30+09.74

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

LEGEND

- PROPOSED WATERLINE
- 1½" TYPE "A" AGGREGATE BASE
- (1") RESET WATER METER
- TYPE I P.C.C. PATCHING

REGISTERED PROFESSIONAL ENGINEER
GREGORY JAMES COKER
16840
OKLAHOMA
6-19-25

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

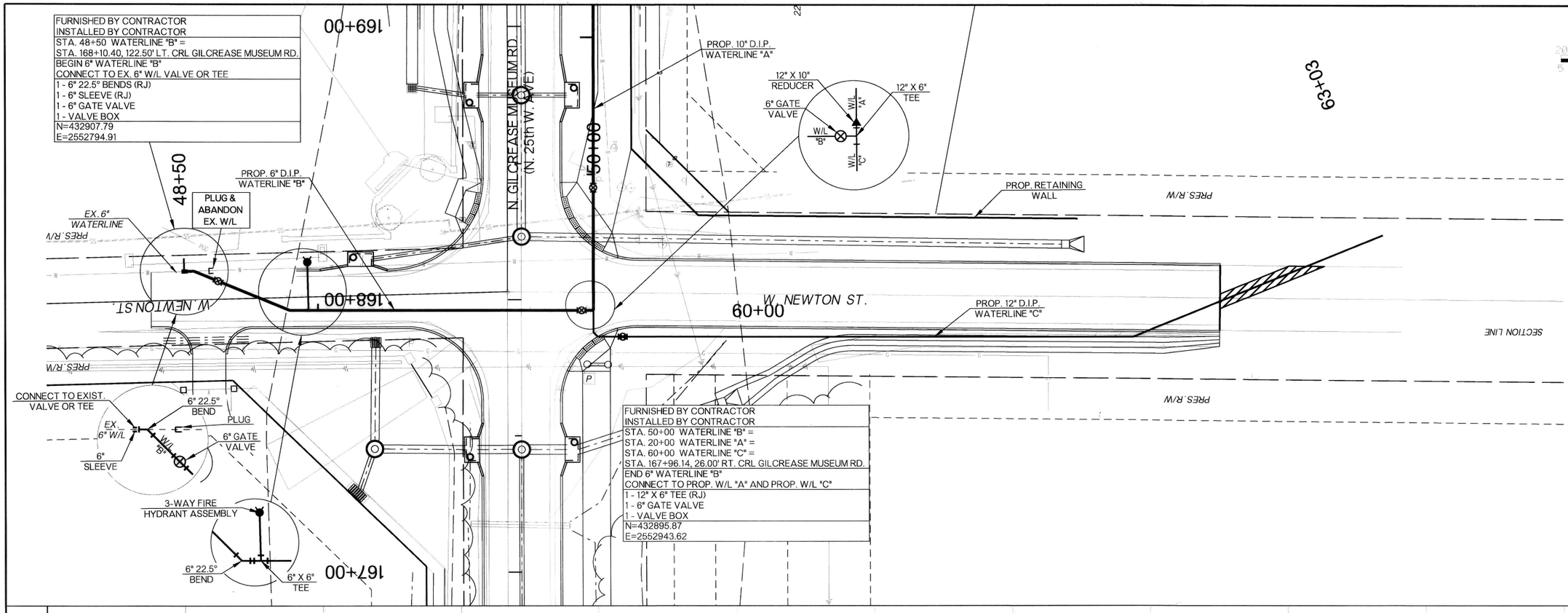
REVISION	BY	DATE

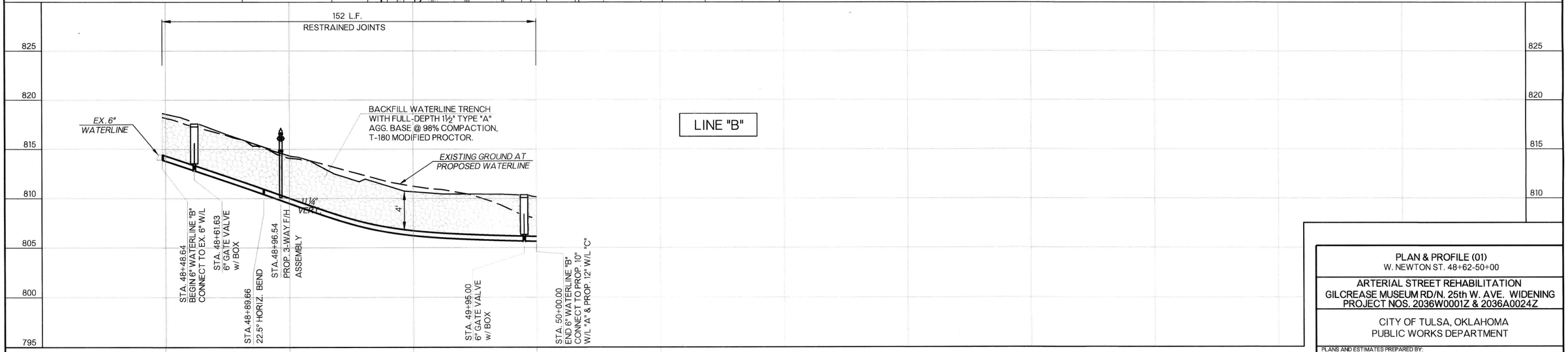
PLAN SCALE: 1" = 20'A	DRAWN	POE	06/2023
	DESIGNED	POE	06/2023
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	CTS	6/25
HORIZONTAL: 1" = 20'A	LEAD ENGR.	CEW	6/25
	FIELD MGR.		6/25
VERTICAL 1" = 5'A	RECOMMENDED: DESIGN MANAGER		CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-WATERLINE PNP(1-3).dwg		DATE: 7/13/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET 89 OF 268 SHEETS

APPROVED:

FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR
STA. 48+50 WATERLINE "B" = STA. 168+10.40, 122.50' LT. CRL GILCREASE MUSEUM RD.
BEGIN 6" WATERLINE "B" CONNECT TO EX. 6" W/L VALVE OR TEE
1 - 6" 22.5° BENDS (RJ) 1 - 6" SLEEVE (RJ) 1 - 6" GATE VALVE 1 - VALVE BOX
N=432907.79 E=2552794.91

FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR
STA. 50+00 WATERLINE "B" = STA. 20+00 WATERLINE "A" = STA. 60+00 WATERLINE "C" = STA. 167+96.14, 26.00' RT. CRL GILCREASE MUSEUM RD.
END 6" WATERLINE "B" CONNECT TO PROP. W/L "A" AND PROP. W/L "C"
1 - 12" X 6" TEE (RJ) 1 - 6" GATE VALVE 1 - VALVE BOX
N=432895.87 E=2552943.62





LINE "B"

LEGEND

- PROPOSED WATERLINE
- 1½" TYPE "A" AGGREGATE BASE
- (1") RESET WATER METER
- TYPE I P.C.C. PATCHING

REGISTERED PROFESSIONAL ENGINEER
GREGORY JAMES COKER
6840
OKLAHOMA
6-19-25

BEFORE YOU DIG
1-800-522-OKIE
811
CALL OKIE

REVISION	BY	DATE

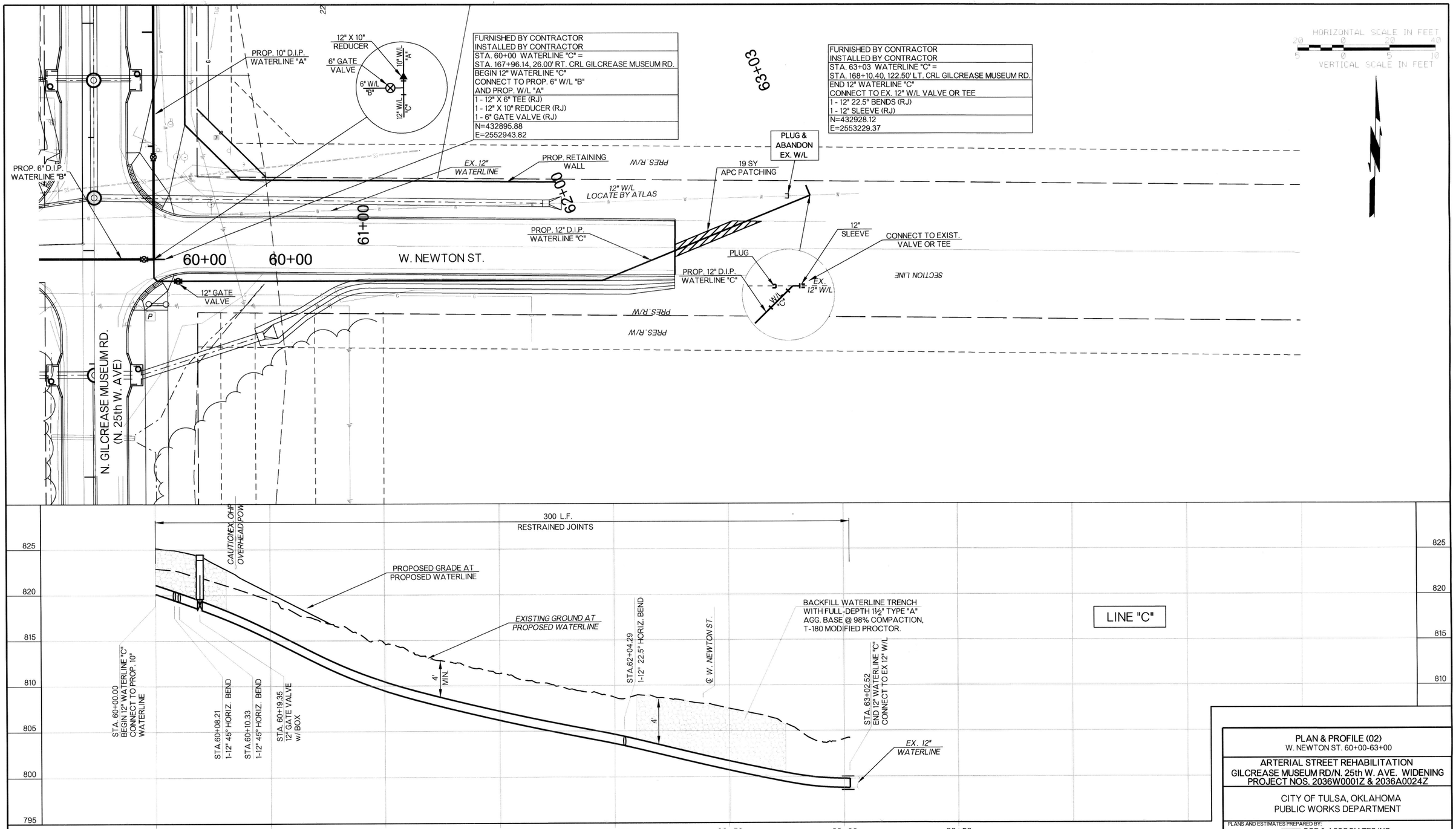
PLAN & PROFILE (01)
W. NEWTON ST. 48+62-50+00

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	CJS	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.	CEW	6/25	
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED:			CITY ENGINEER
	DESIGN MANAGER			
FILE: H:\21-1009	DRAWING: 21-1009-WATERLINE PNP(1) Newton			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 90 OF 268 SHEETS



LINE "C"

LEGEND

- PROPOSED WATERLINE
- 1½" TYPE "A" AGGREGATE BASE
- (1") RESET WATER METER
- TYPE I P.C.C. PATCHING

REGISTERED PROFESSIONAL ENGINEER
GREGORY JAMES COKER
16840
OKLAHOMA
6-19-25

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

PLAN & PROFILE (02)
W. NEWTON ST. 60+00-63+00

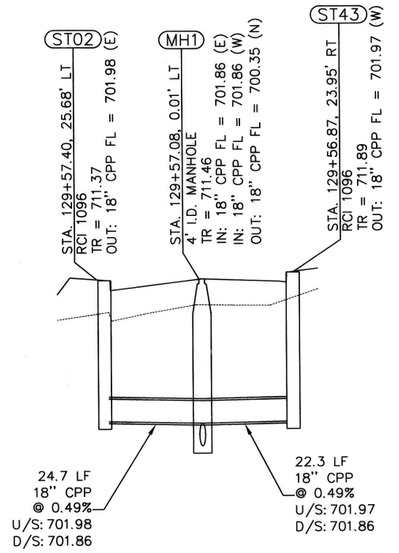
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

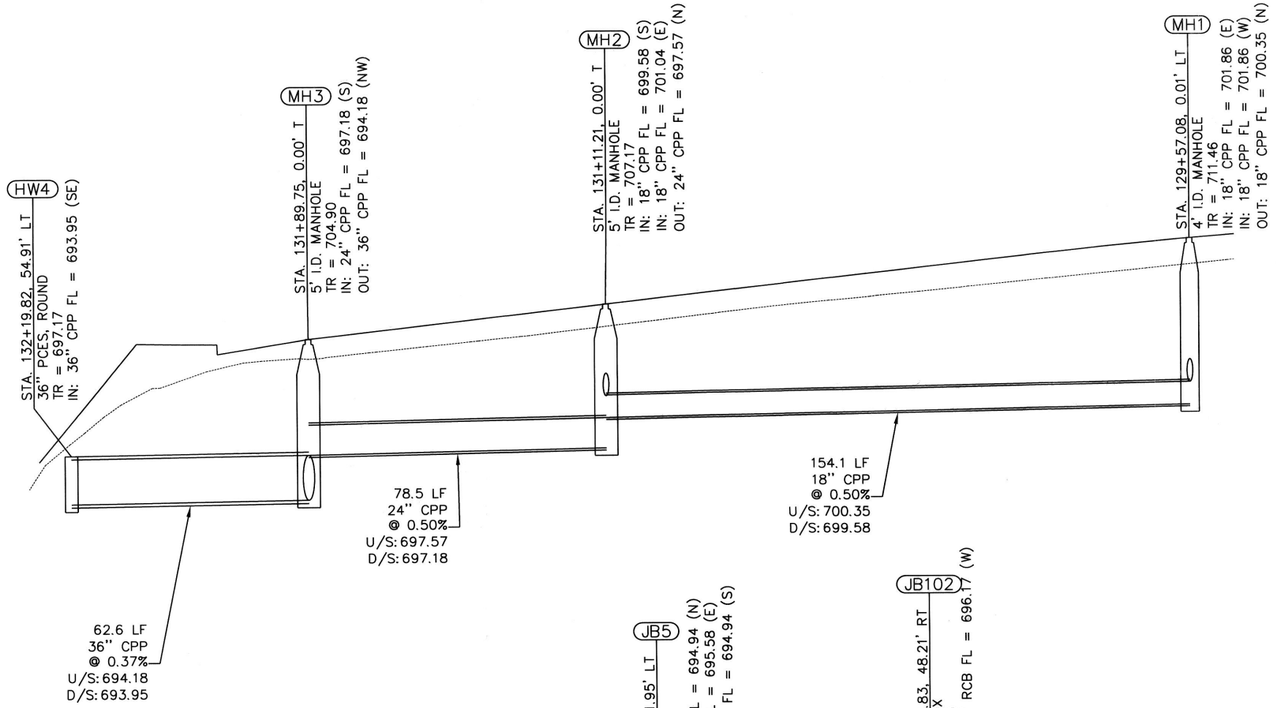
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

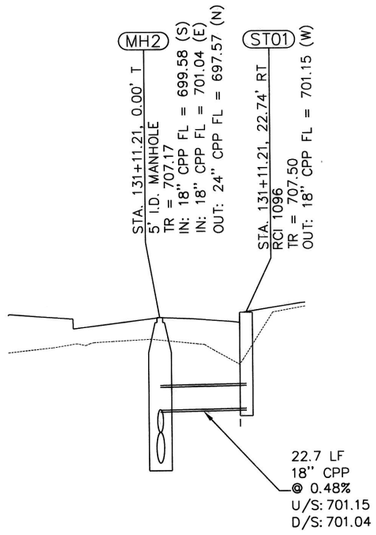
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

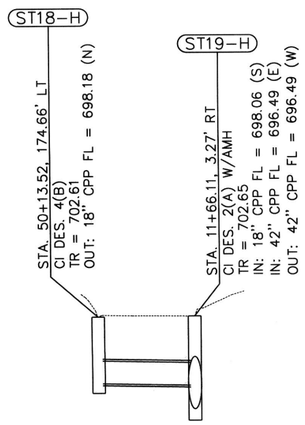
REVISION	BY	DATE

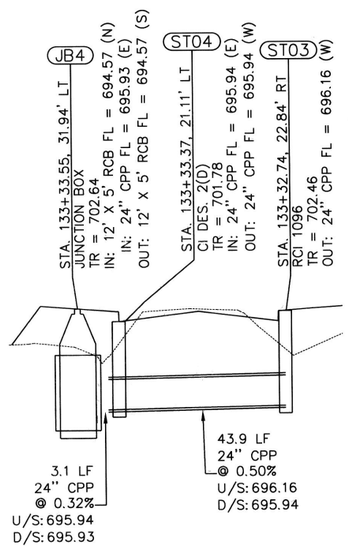
PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	CJS	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.	CEW	6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-WATERLINE PNP(1) Newton			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 91 OF 268 SHEETS

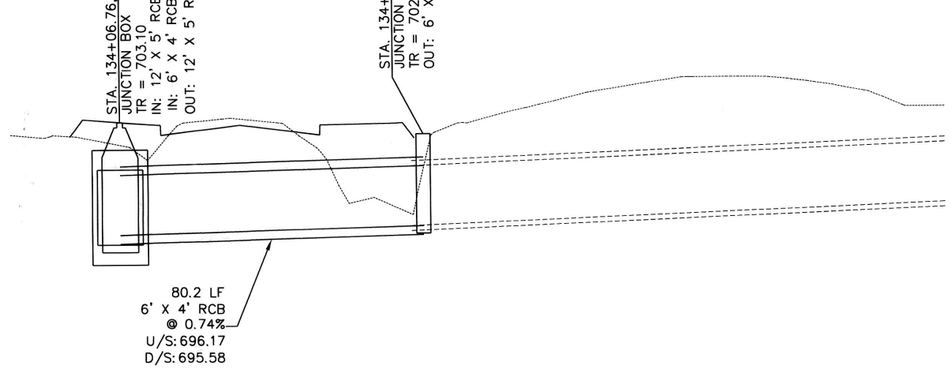












JARED T. BATES
20681
LICENSED PROFESSIONAL ENGINEER
OKLAHOMA
6/20/2025

BEFORE YOU DIG
811
1-800-522-OKIE
CALL OKIE

STORM PROFILES (1)

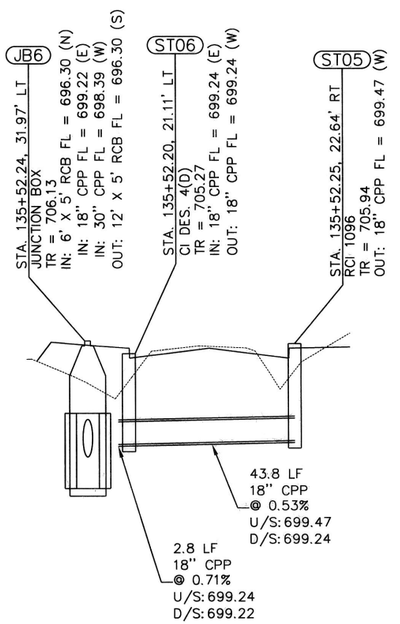
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

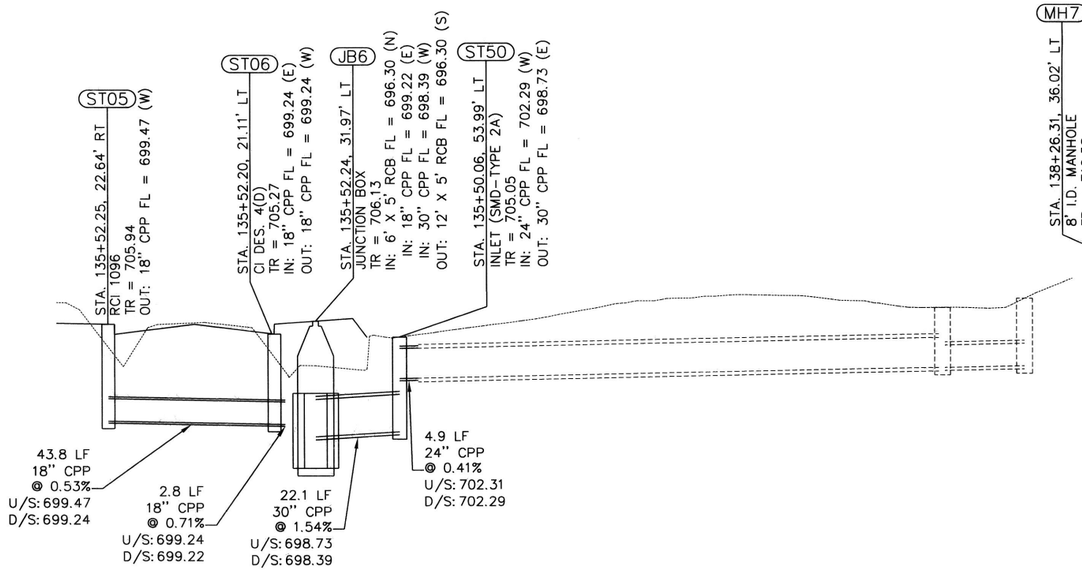
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

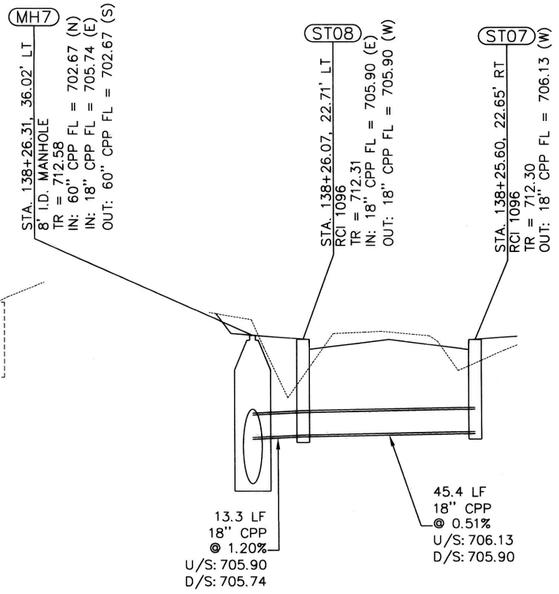
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

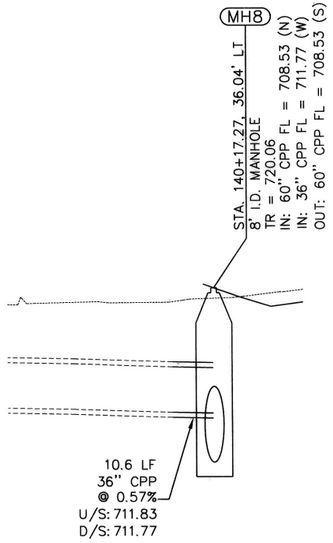
REVISION	BY	DATE

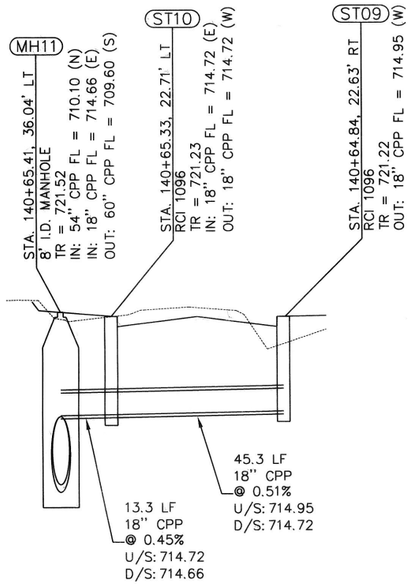
PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	PDH	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.		6/25	
VERTICAL 1" = 5'	RECOMMENDED:			CITY ENGINEER
	DESIGN MANAGER			DATE: 7/3/2025
FILE: H:\21-1009	DRAWING:			
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 92 OF 268 SHEETS

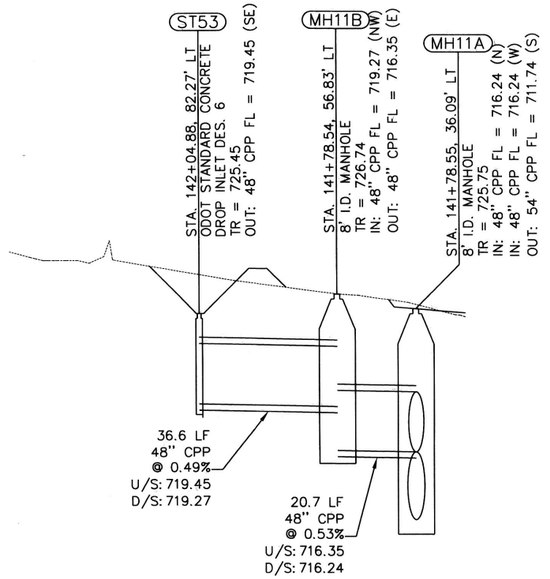












JARED T. BATES 20681 LICENSED PROFESSIONAL ENGINEER OKLAHOMA

6/20/2025

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STORM PROFILES (2)

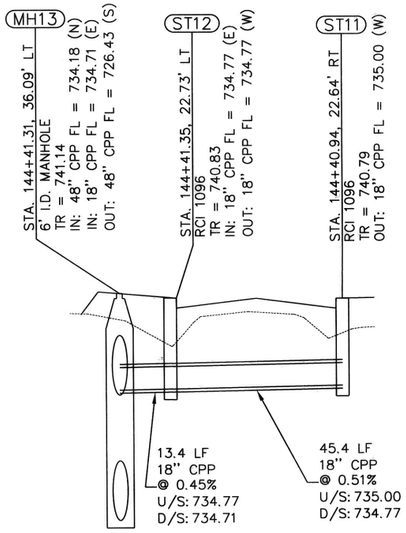
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

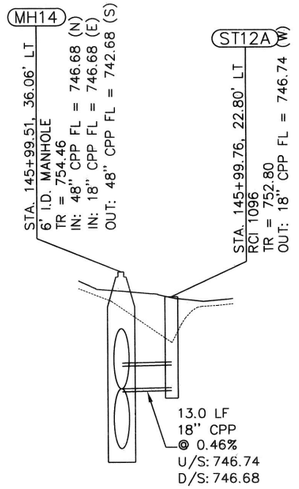
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

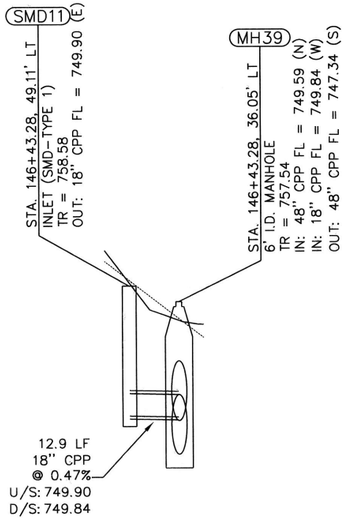
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

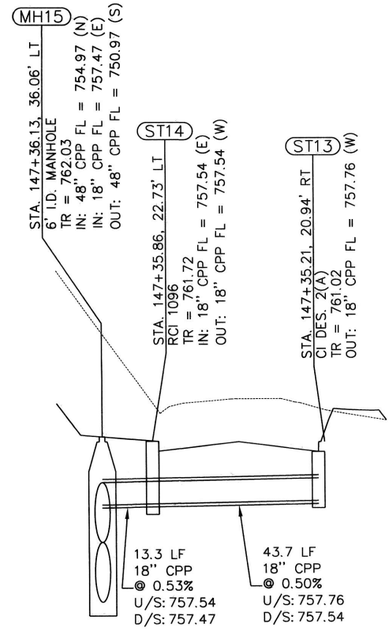
REVISION	BY	DATE

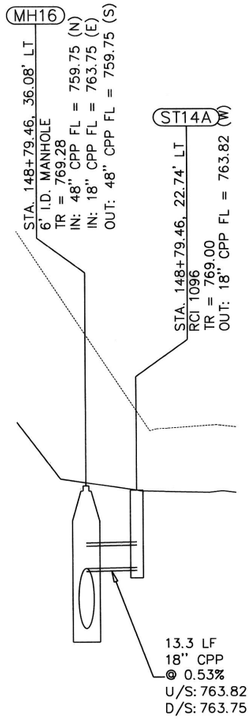
PLAN SCALE: 1" = 20'	DRAWN	06/2023	APPROVED:
	DESIGNED	06/2023	
	SURVEY	3/2022	
PROFILE SCALE: 1" = 20'	PROJ. MGR.	TAD 6/25	
HORIZONTAL:	LEAD ENGR.	BDC 6/25	
	FIELD MGR.	ZW 6/25	
VERTICAL 1" = 5'	RECOMMENDED:		
	DESIGN MANAGER		CITY ENGINEER
FILE: H:\21-1009	DRAWING:		DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET 93 OF 268 SHEETS

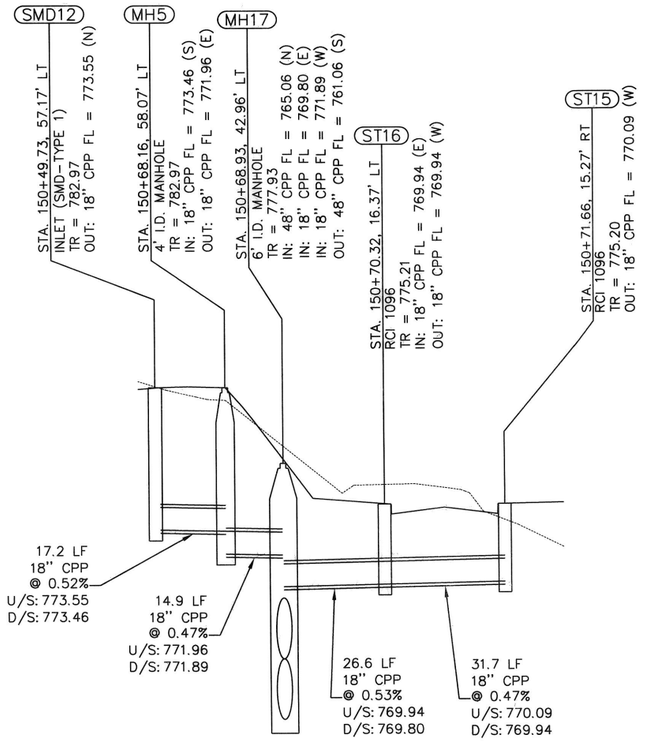


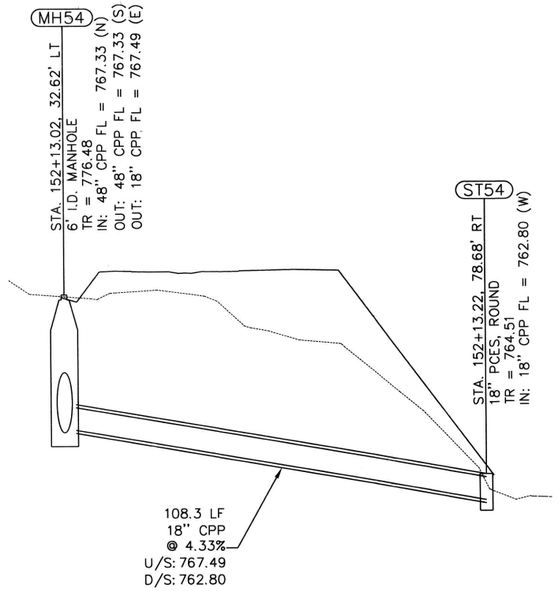












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STORM PROFILES (3)

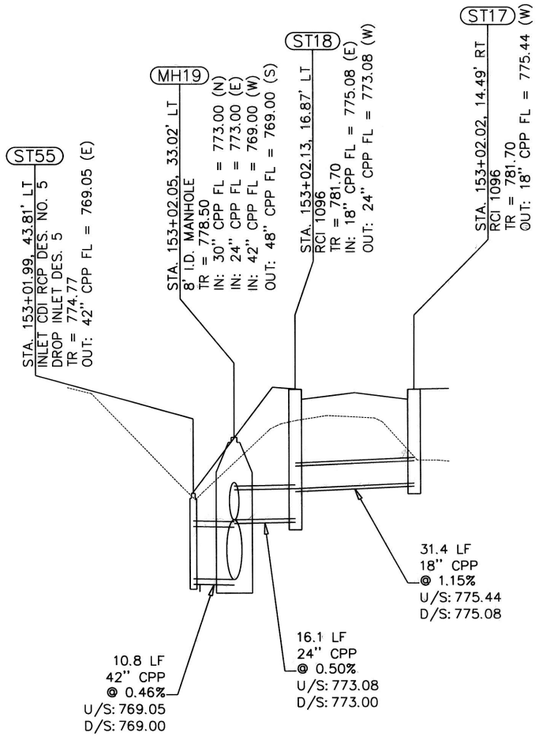
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

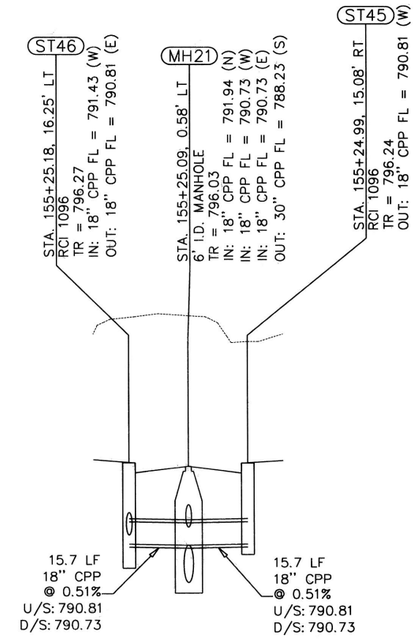
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

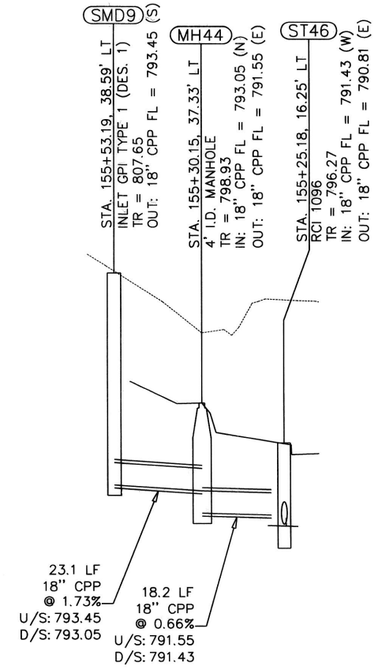
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

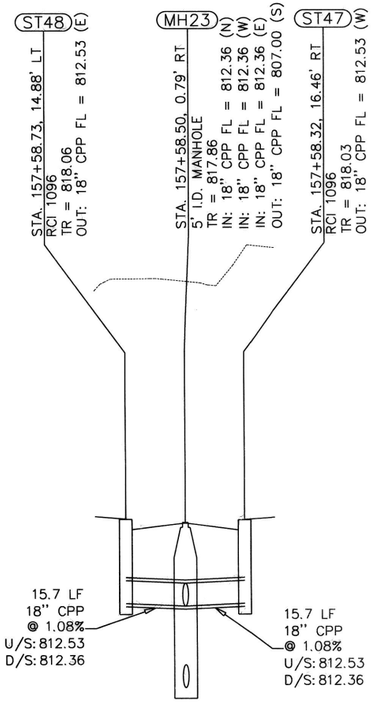
REVISION	BY	DATE

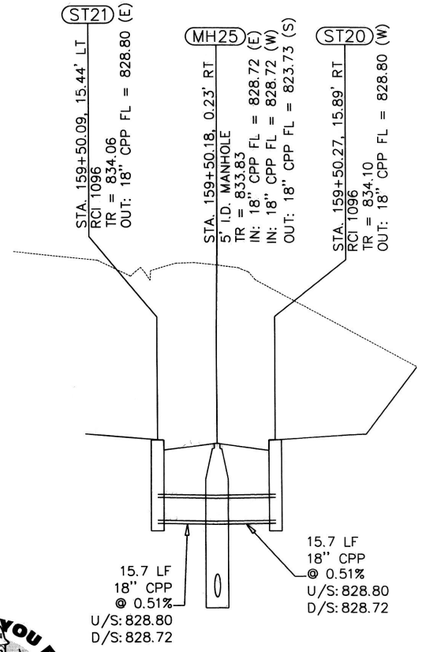
PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	TJD 6/25		
HORIZONTAL: 1" = 20'	LEAD ENGR.	BDC 6/25		
	FIELD MGR.	EWM 6/25		
VERTICAL: 1" = 5'	RECOMMENDED:			
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 94 OF 268 SHEETS











JARED T. BATES
20681
LICENSED PROFESSIONAL ENGINEER
OKLAHOMA
6/20/2025

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STORM PROFILES (4)

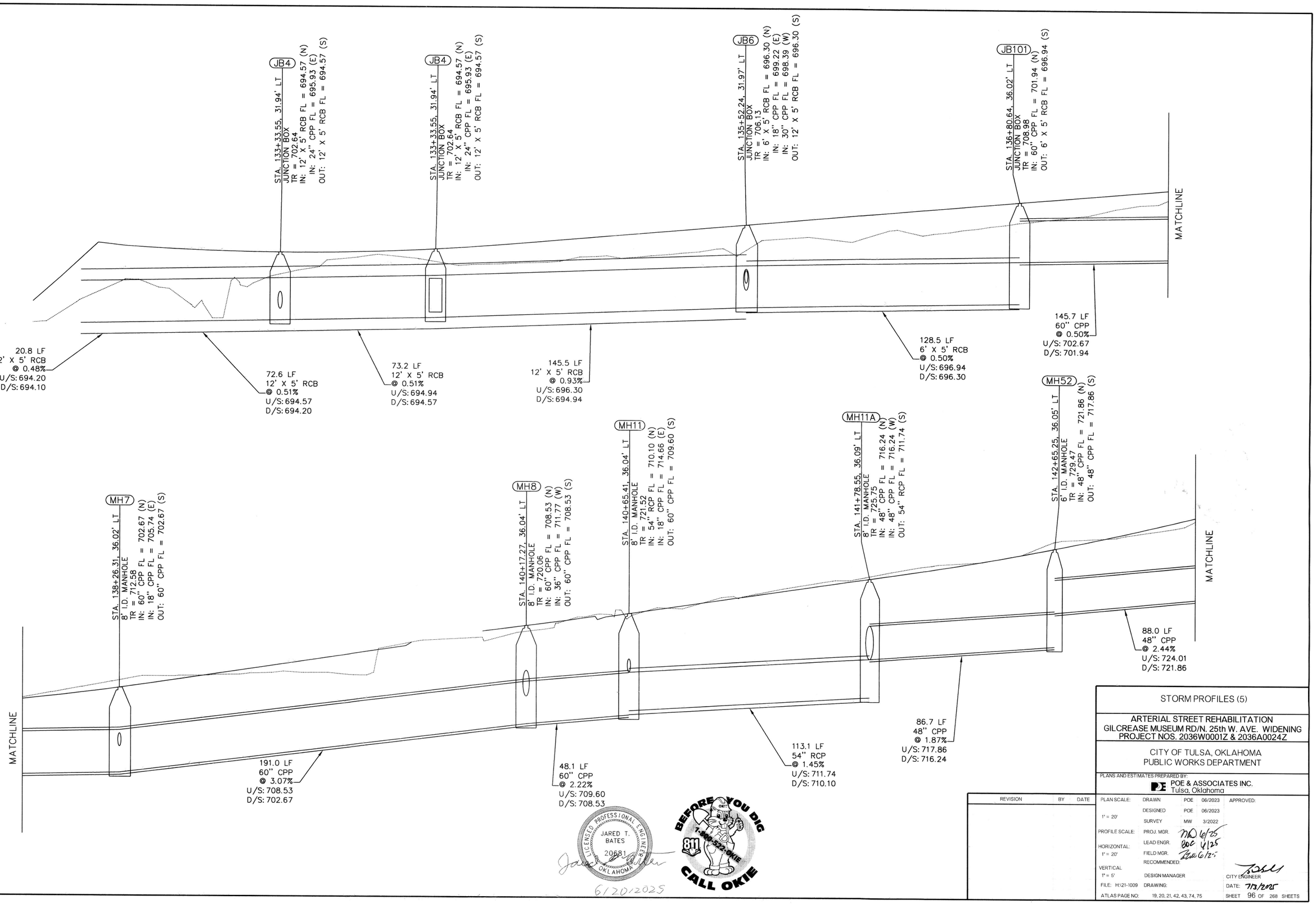
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = 20'	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL:	LEAD ENGR.		6/25	
1" = 20'	FIELD MGR.		6/25	
VERTICAL	RECOMMENDED:			
1" = 5'	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 95 OF 268 SHEETS



LICENSED PROFESSIONAL ENGINEER
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STORM PROFILES (5)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

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PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

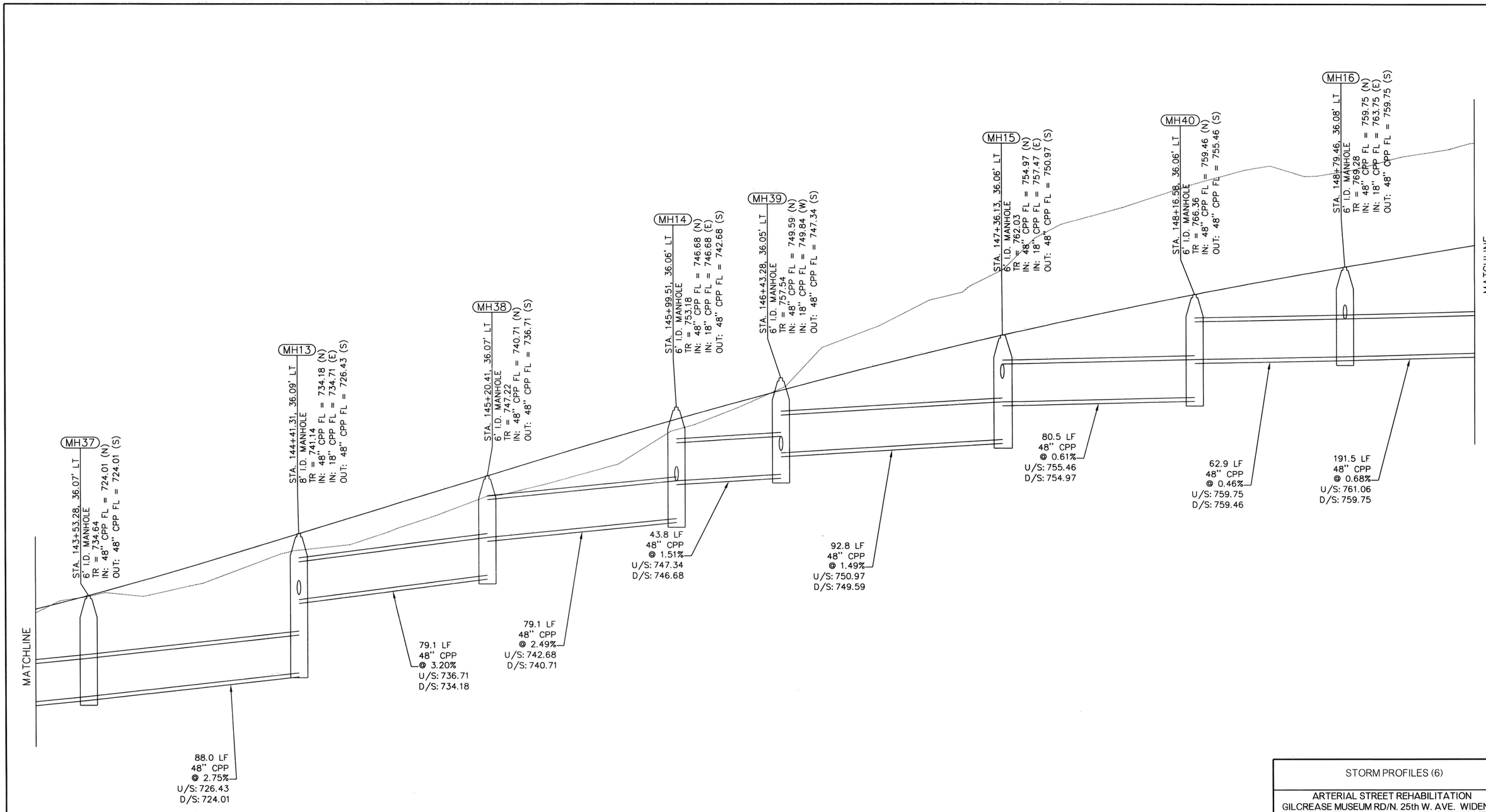
PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023
	DESIGNED	POE	06/2023
	SURVEY	MW	3/2022
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL: 1" = 20'	LEAD ENGR.		
	FIELD MGR.		
VERTICAL 1" = 5'	RECOMMENDED:		
	DESIGN MANAGER		
FILE: H:\21-1009	DRAWING:		
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		

APPROVED:

CITY ENGINEER

DATE: 7/3/2025

SHEET 96 OF 268 SHEETS



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STORM PROFILES (6)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
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PLANS AND ESTIMATES PREPARED BY:
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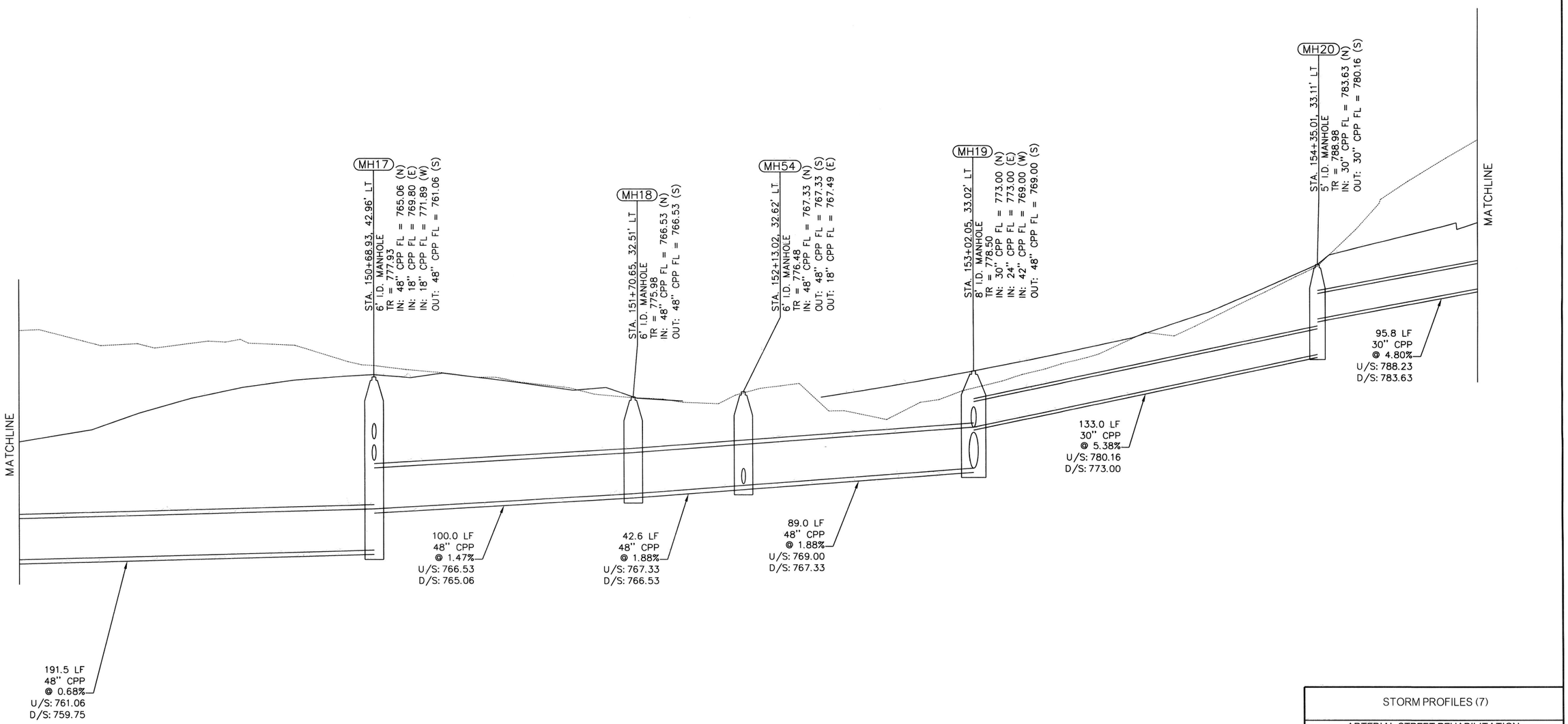
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" =	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	JTB	6/25	
HORIZONTAL:	LEAD ENGR.	BDC	6/25	
1" =	FIELD MGR.	BDC	6/25	
	RECOMMENDED:			
VERTICAL	DESIGN MANAGER			CITY ENGINEER
1" =				
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 97 OF 268 SHEETS



STORM PROFILES (7)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
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Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = 20'	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED:			
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 98 OF 268 SHEETS

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
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OKLAHOMA
6/20/2025

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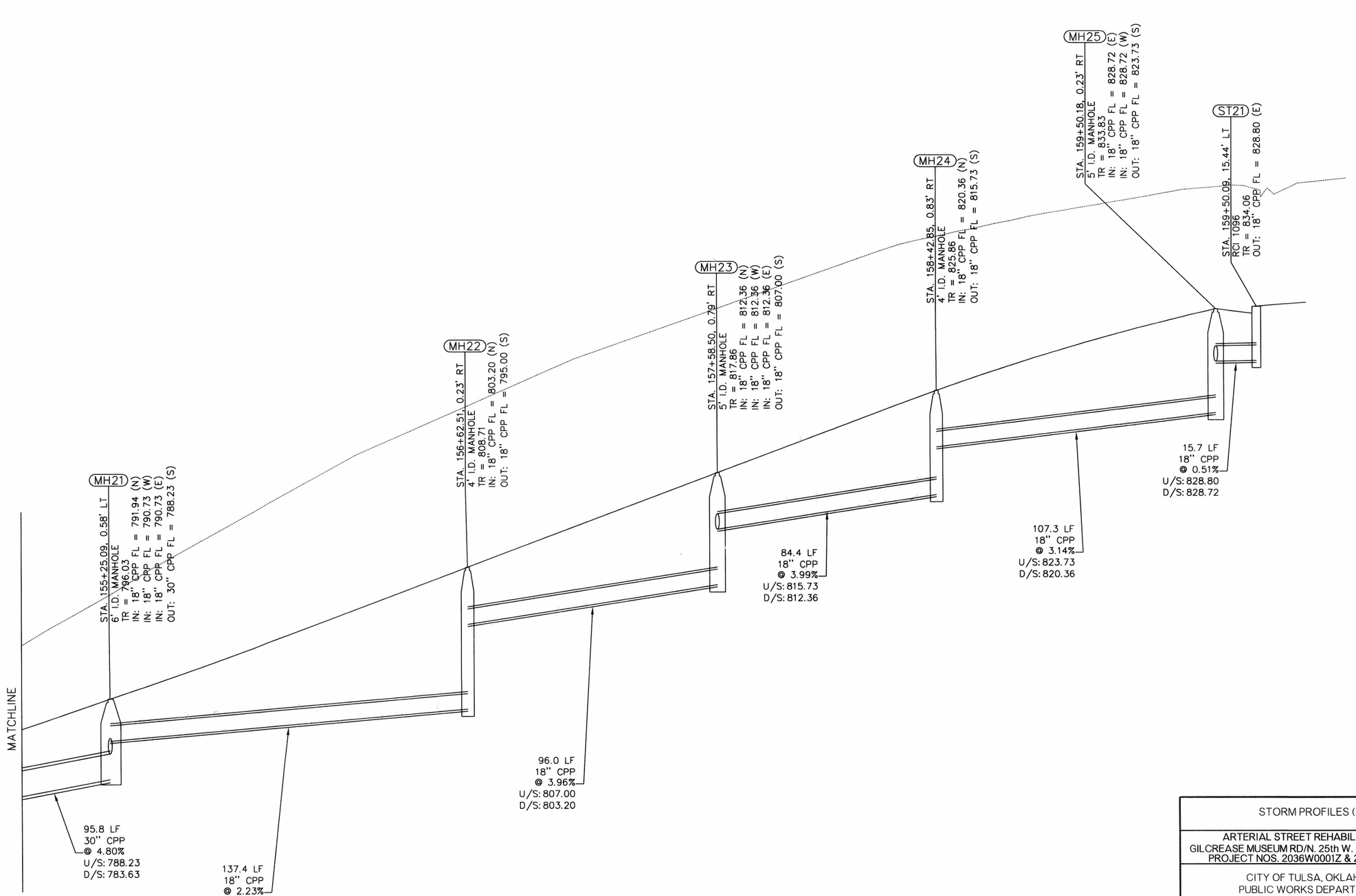

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6/20/2025

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REVISION	BY	DATE

STORM PROFILES (8)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
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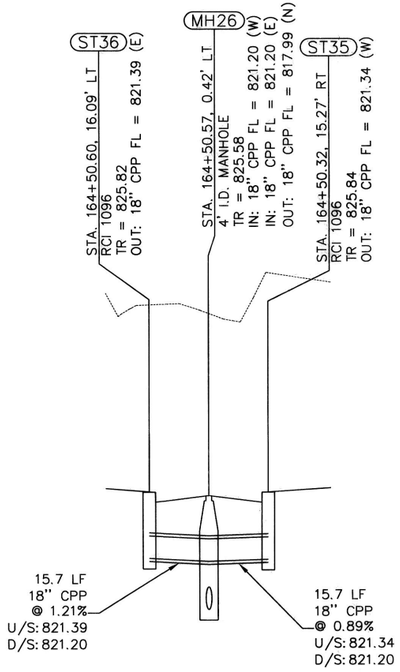
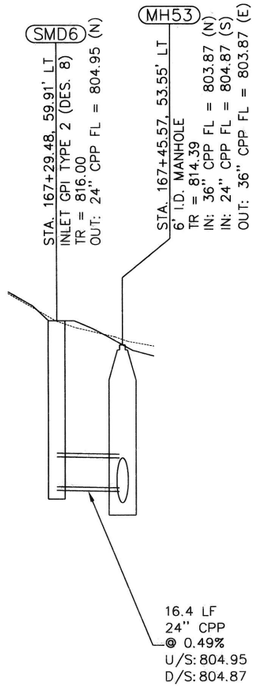
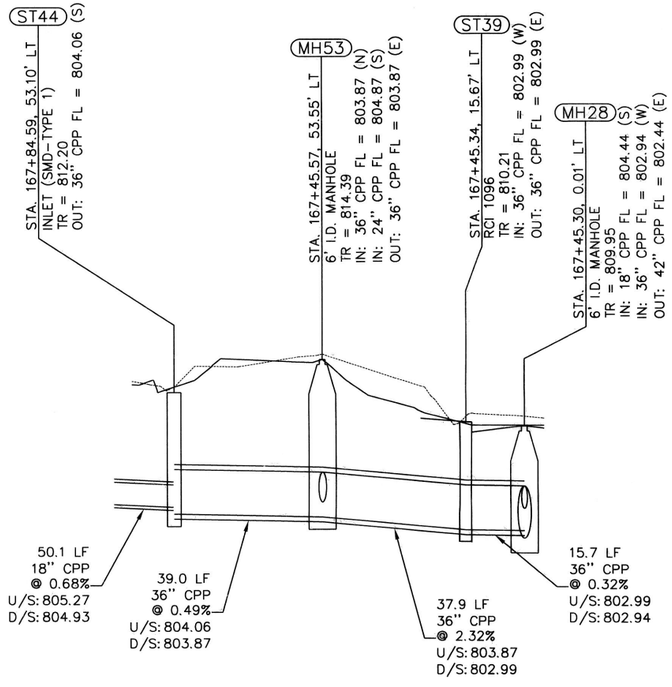
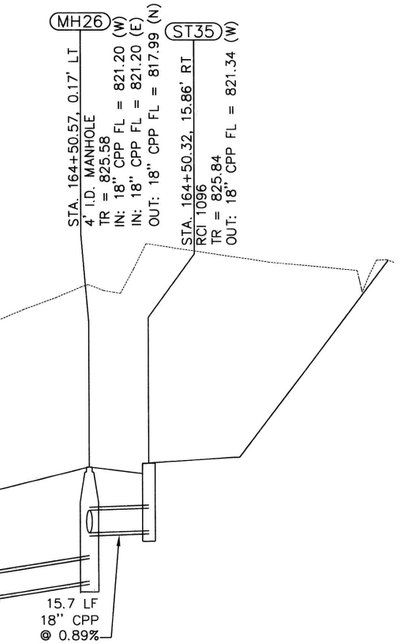
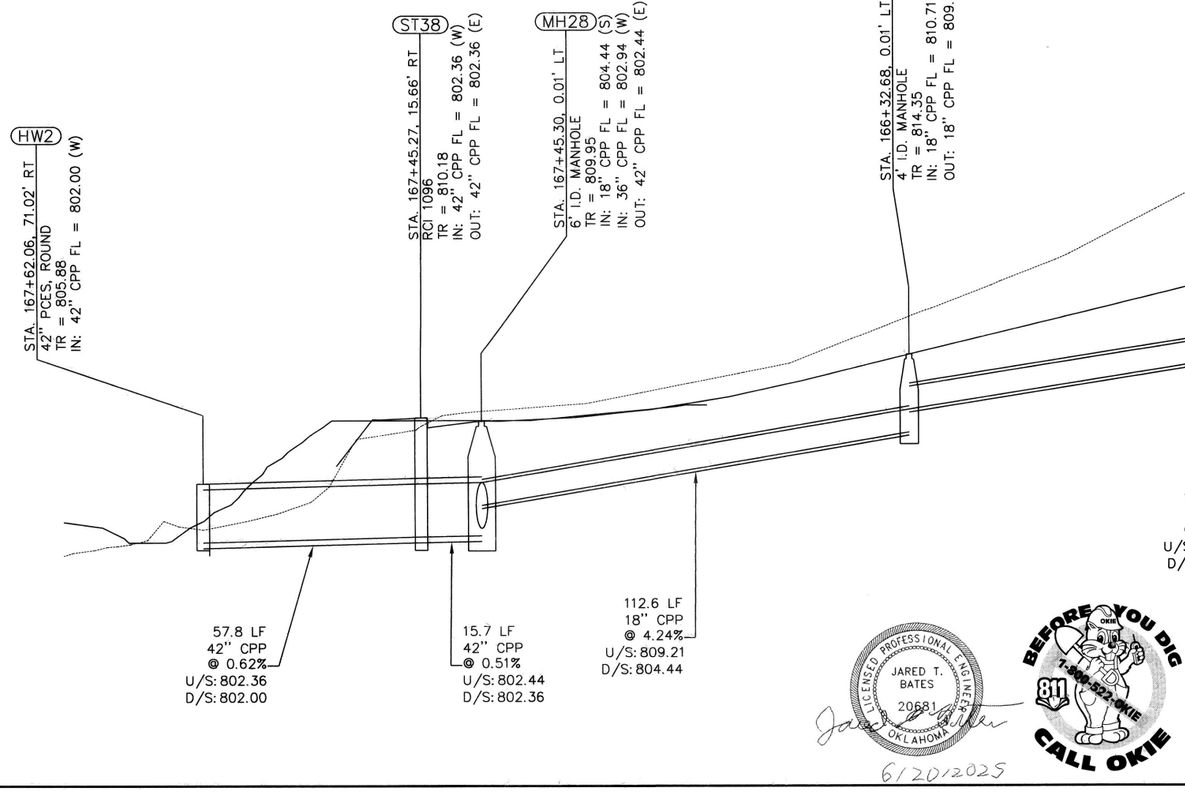
PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = 20'	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED:			
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/7/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 99 OF 268 SHEETS











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REVISION	BY	DATE

STORM PROFILES (9)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
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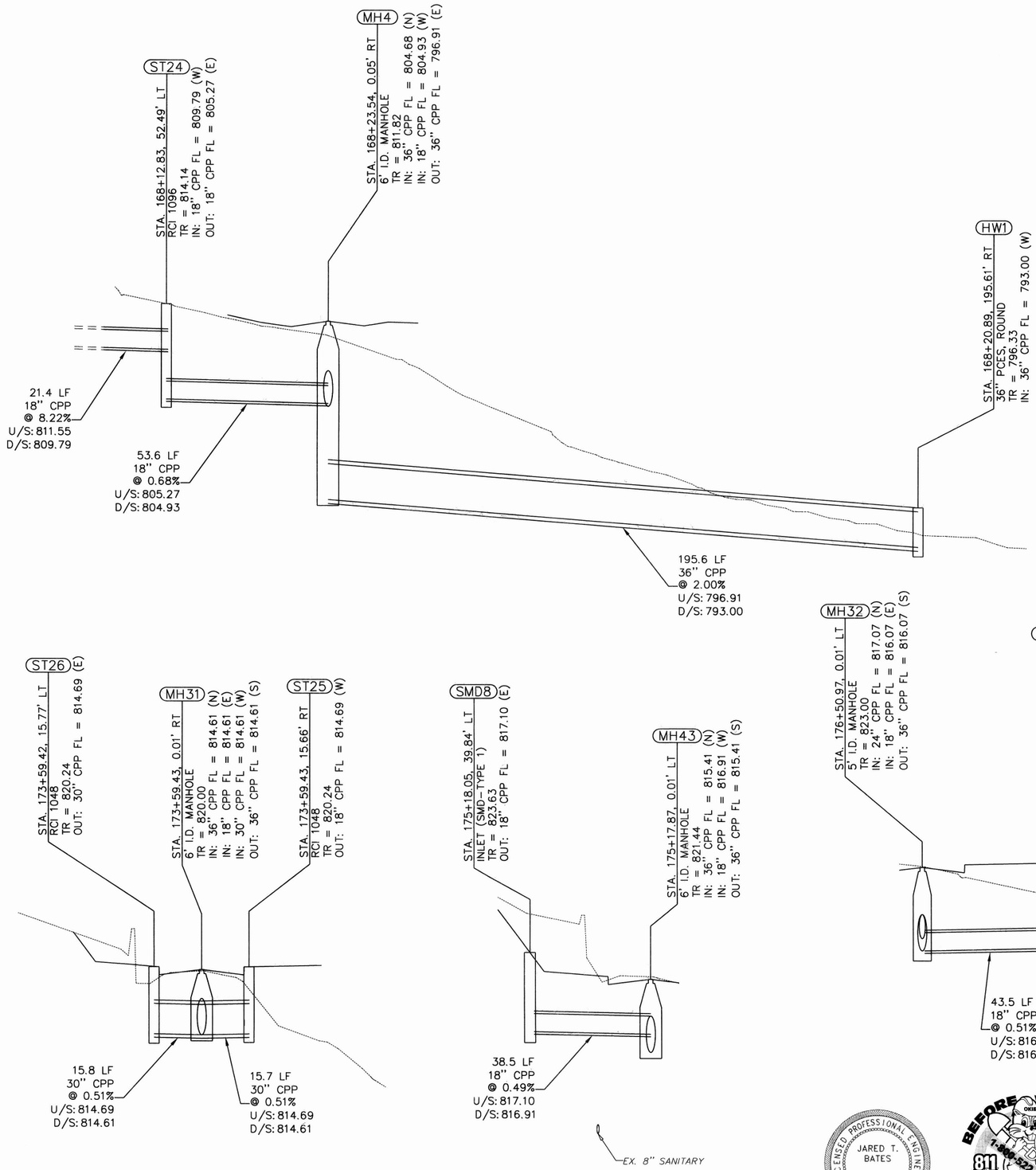
Tulsa, Oklahoma

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = 20'	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	DJD	6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.	BDE	6/25	
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED:			
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 100 OF 268 SHEETS



JARED T. BATES 20681 LICENSED PROFESSIONAL ENGINEER OKLAHOMA

6/20/2025

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STORM PROFILES (10)

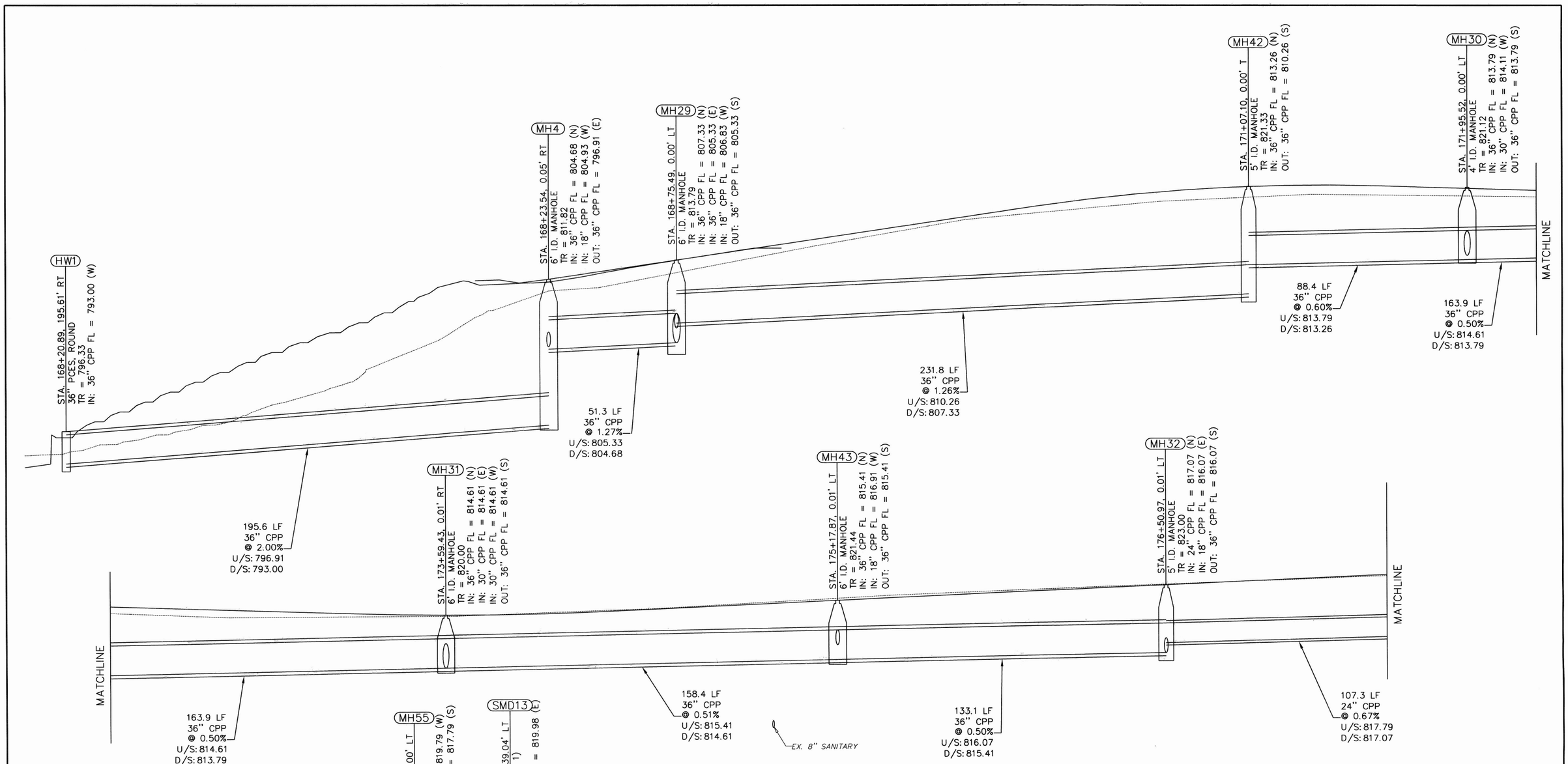
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.	BDC	6/25	
	FIELD MGR.		6/25	
	RECOMMENDED:			
VERTICAL 1" = 5'	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 101 OF 268 SHEETS



STORM PROFILES (11)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
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PLANS AND ESTIMATES PREPARED BY:
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REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = 20'	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 102 OF 268 SHEETS

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA

6/20/2025

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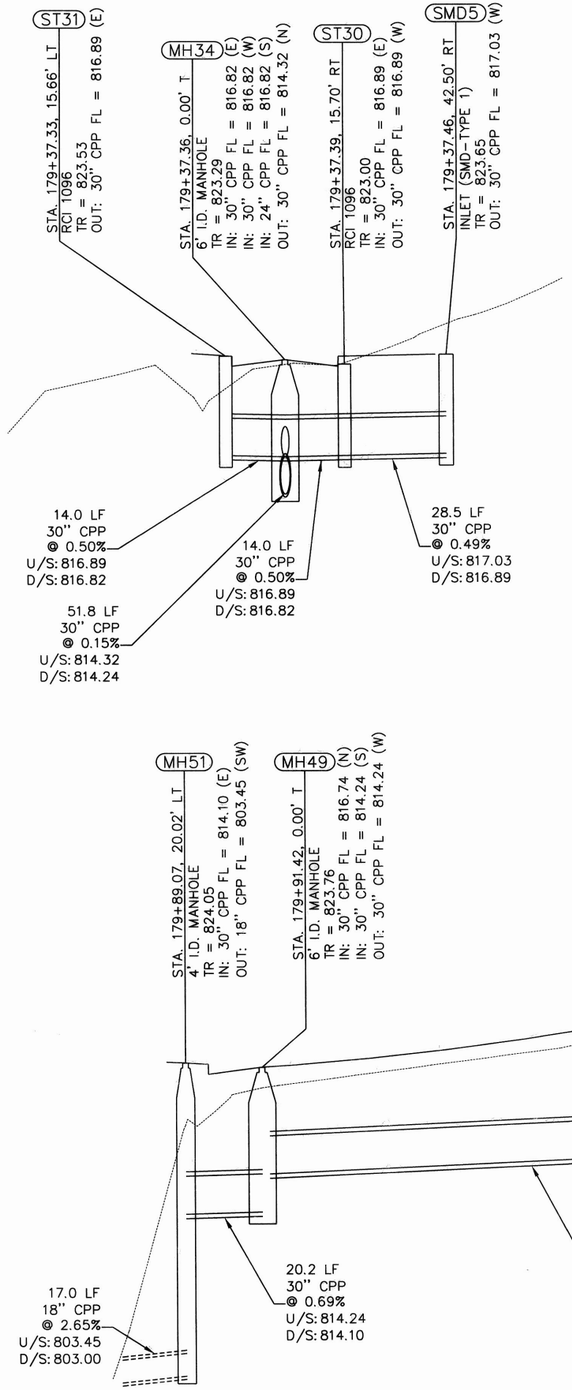

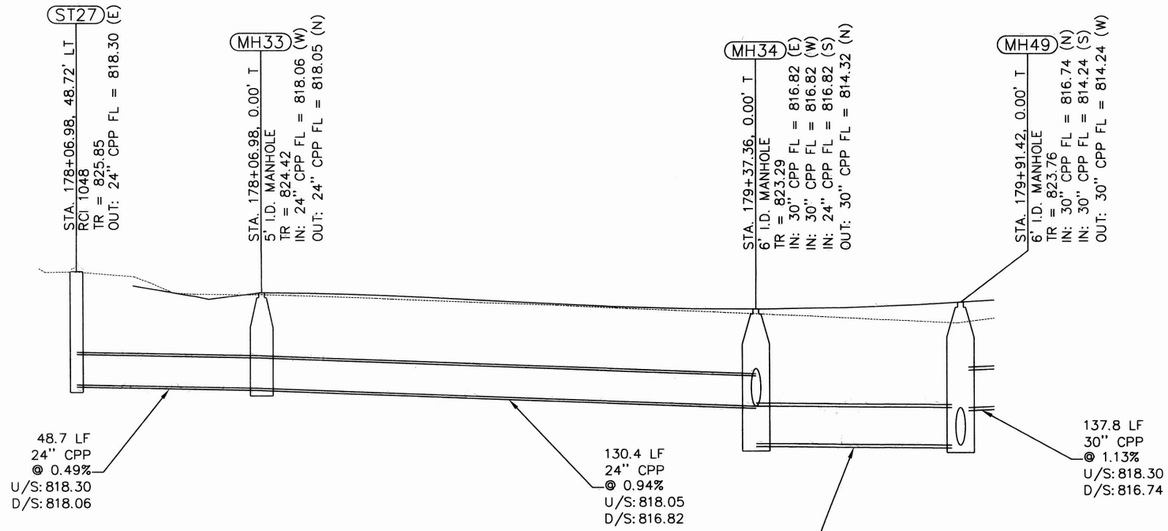

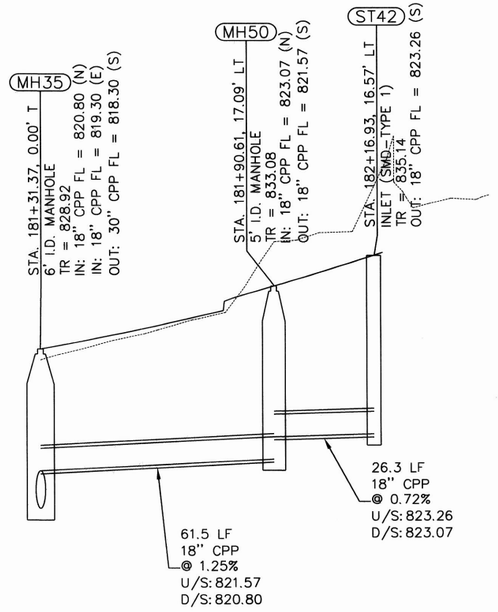

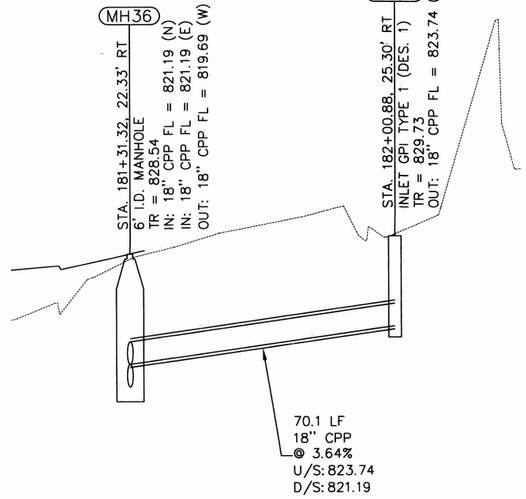



6/20/2025



STORM PROFILES (12)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
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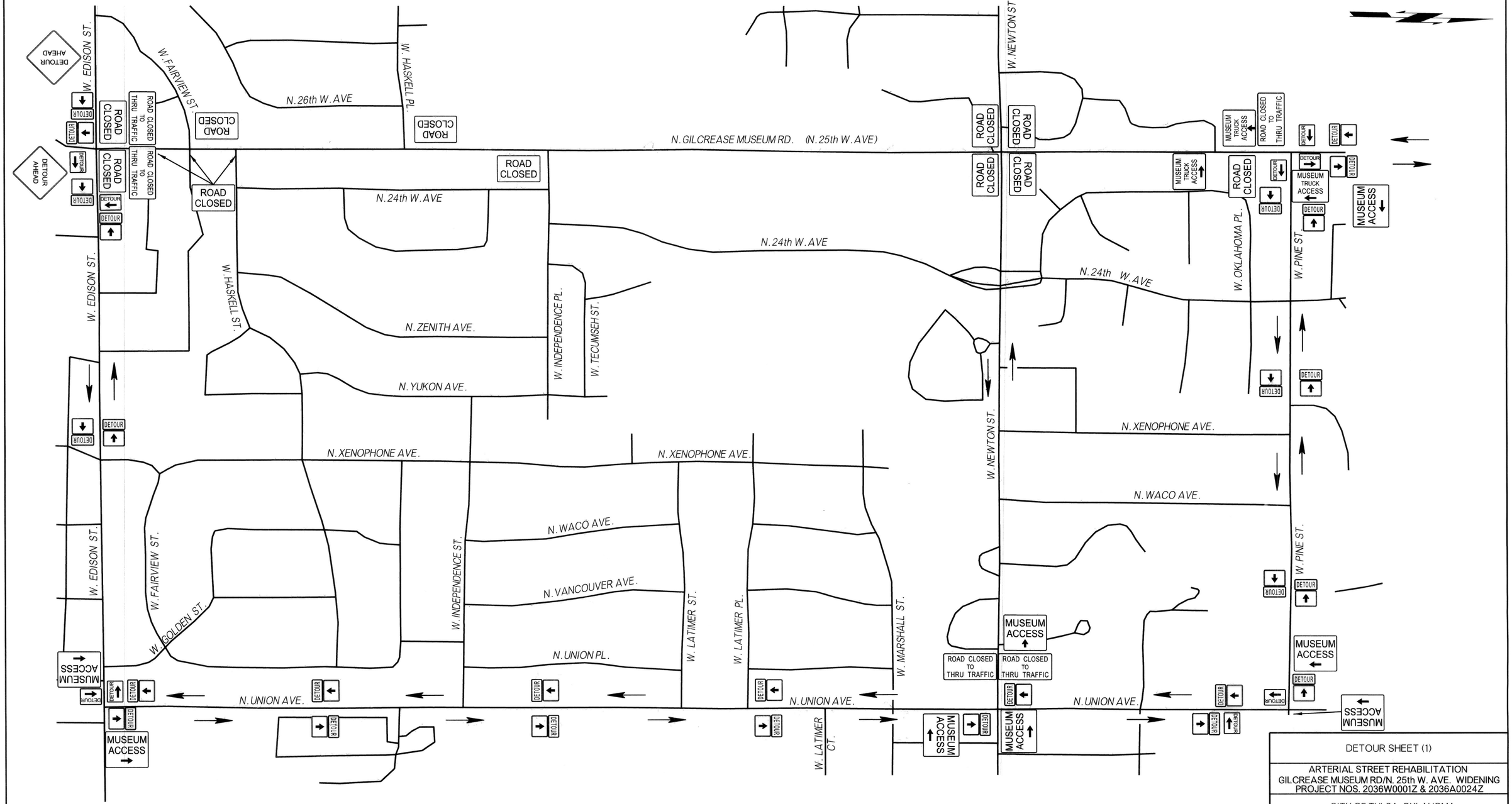
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = 20'	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
	RECOMMENDED:			
VERTICAL 1" = 5'	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 103 OF 268 SHEETS



NOTE: PHASE 1A DETOUR

BOTH NORTHBOUND & SOUTHBOUND GILCREASE MUSEUM ROAD TO UTILIZE DETOUR SHOWN. CLOSE GILCREASE MUSEUM ROAD FROM W. EDISON ST. TO W. PINE ST. EXCEPT AS FOLLOWS:

1. SEMI TRUCK ACCESS EXITING SOUTHBOUND ONTO GILCREASE MUSEUM ROAD AT 130+70 RT SHALL BE MAINTAINED AT ALL TIMES.
2. RESIDENTIAL ACCESS TO WEST SIDE OF GILCREASE MUSEUM ROAD ON W. NEWTON STREET SHALL BE MAINTAINED AT ALL TIMES. THIS IS THE ONLY ACCESS FOR THESE RESIDENTS.
3. MUSEUM ACCESS FOR STAFF AND CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES. SEMI-TRUCK ACCESS SHALL BE MAINTAINED AT ALL TIMES TO THE NORTH DRIVEWAY AT 177+95 LT UNLESS CLOSURE IS COORDINATED WITH MUSEUM STAFF.

NOTE: PHASE 1B DETOUR (MOVE MUSEUM ACCESS SIGNS FROM W. NEWTON ST. TO PINE ST.)

BOTH NORTHBOUND & SOUTHBOUND GILCREASE MUSEUM ROAD TO UTILIZE DETOUR SHOWN. CLOSE GILCREASE MUSEUM ROAD FROM W. EDISON ST. TO W. NEWTON ST. EXCEPT AS FOLLOWS:

1. SEMI TRUCK ACCESS EXITING SOUTHBOUND ONTO GILCREASE MUSEUM ROAD AT 130+70 RT SHALL BE MAINTAINED AT ALL TIMES.
2. RESIDENTIAL ACCESS TO WEST SIDE OF GILCREASE MUSEUM ROAD ON W. NEWTON STREET SHALL BE MAINTAINED AT ALL TIMES. THIS IS THE ONLY ACCESS FOR THESE RESIDENTS. CLOSE NEWTON FROM GILCREASE MUSEUM ROAD TO N. 24TH W. AVE.
3. MUSEUM ACCESS FOR STAFF AND CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES. SEMI-TRUCK ACCESS SHALL BE MAINTAINED AT ALL TIMES TO THE NORTH DRIVEWAY AT 177+95 LT UNLESS CLOSURE IS COORDINATED WITH MUSEUM STAFF.

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DETOUR SHEET (1)

ARTERIAL STREET REHABILITATION
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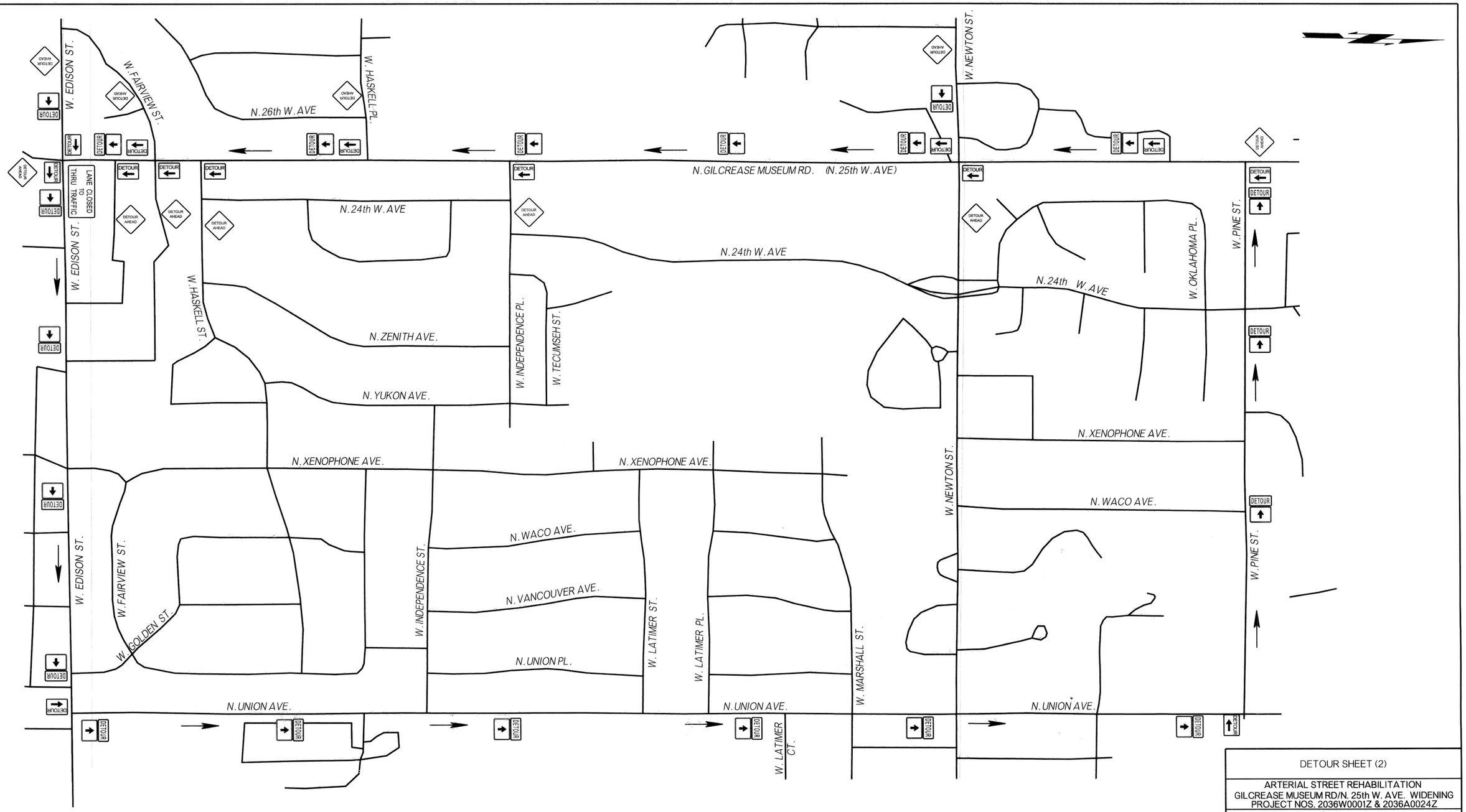
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = N/A	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL:	LEAD ENGR.		6/25	
1" = N/A	FIELD MGR.		6/25	
VERTICAL	RECOMMENDED:		7.25	
1" = N/A	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Detour			DATE: 7/3/2025
ATLAS PAGE NO:				SHEET 104 OF 268 SHEETS



NOTE: PHASE 2 DETOUR
SOUTHBOUND GILCREASE MUSEUM ROAD TO UTILIZE DETOUR SHOWN.
CLOSE GILCREASE MUSEUM ROAD NORTHBOUND FROM W. EDISON ST. TO W. PINE ST.

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
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811
CALL OKIE

DETOUR SHEET (2)

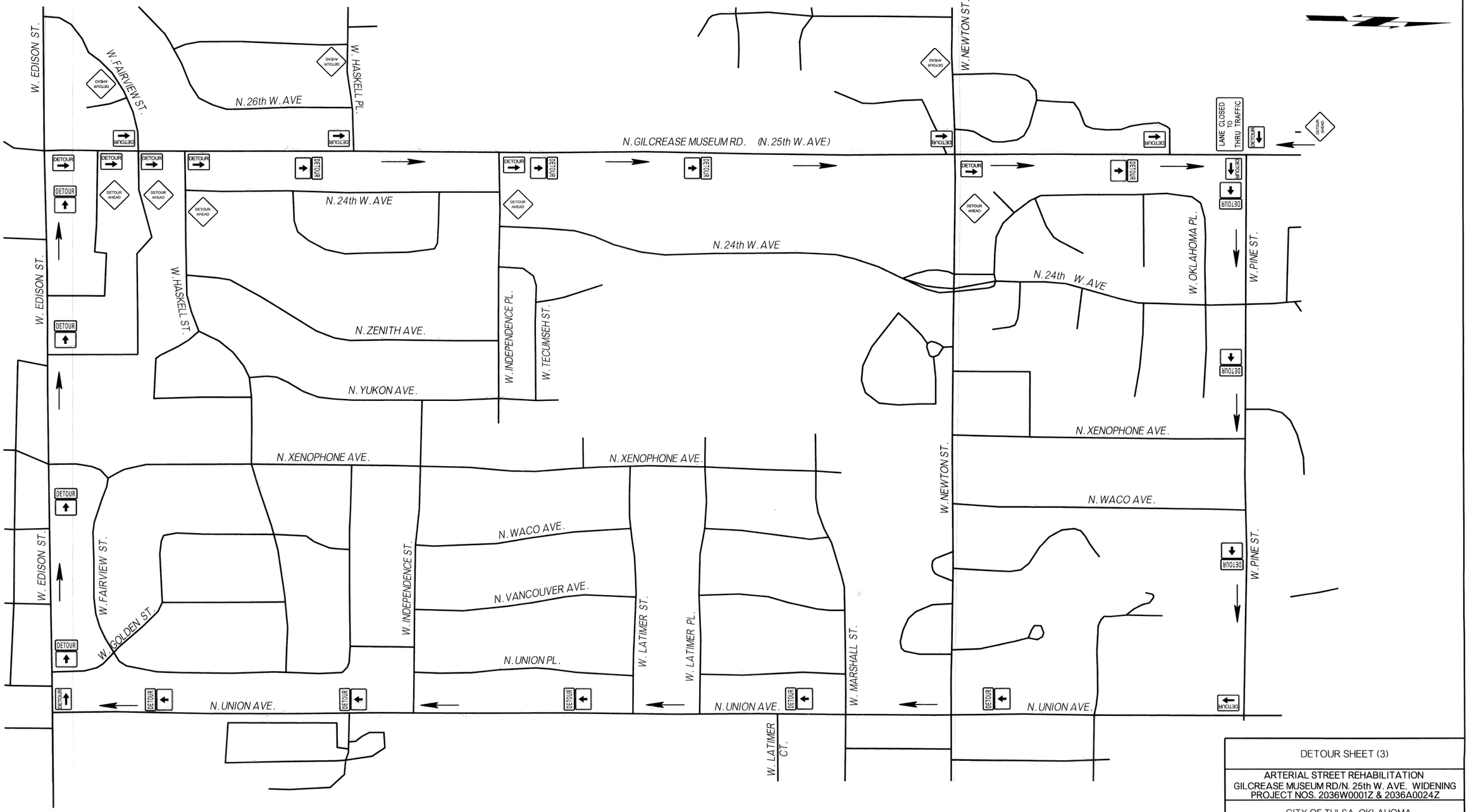
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = NAA	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	TJD	6/25	
HORIZONTAL: 1" = NAA	LEAD ENGR.	JTB	6/25	
	FIELD MGR.	TJD	6/25	
VERTICAL 1" = NAA	RECOMMENDED: DESIGN MANAGER	HMS 7-25		CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Detour			DATE: 7/3/2025
ATLAS PAGE NO:				SHEET 105 OF 268 SHEETS



NOTE: PHASE 3 DETOUR
SOUTHBOUND AND NORTHBOUND GILCREASE MUSEUM ROAD TO UTILIZE DETOUR SHOWN.
CLOSE GILCREASE MUSEUM ROAD SOUTHBOUND FROM W. PINE ST. TO W. EDISON ST.

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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DETOUR SHEET (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

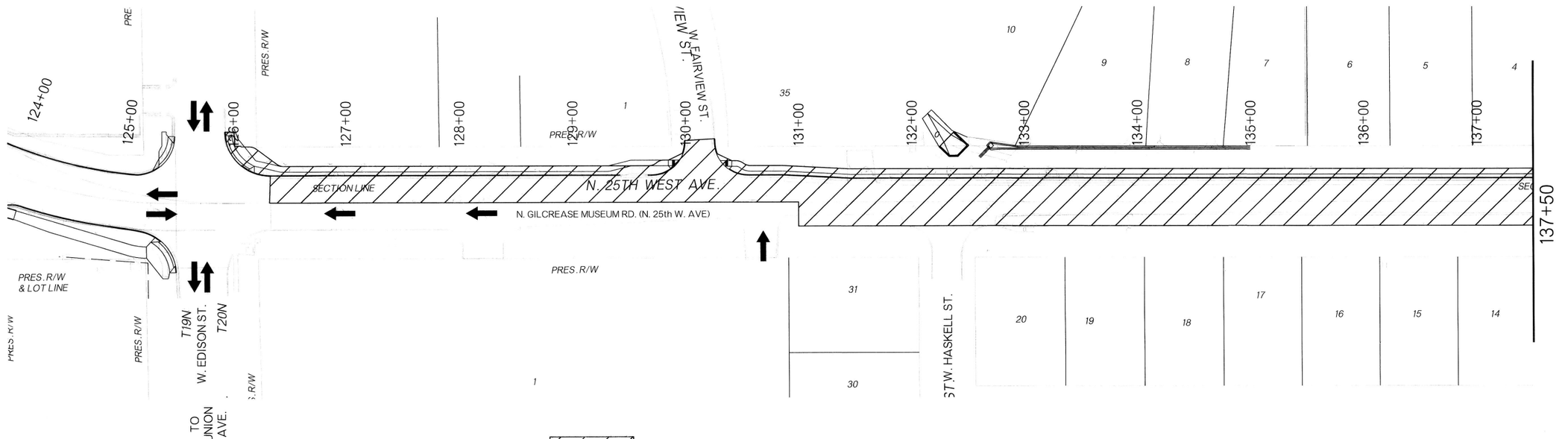
REVISION	BY	DATE

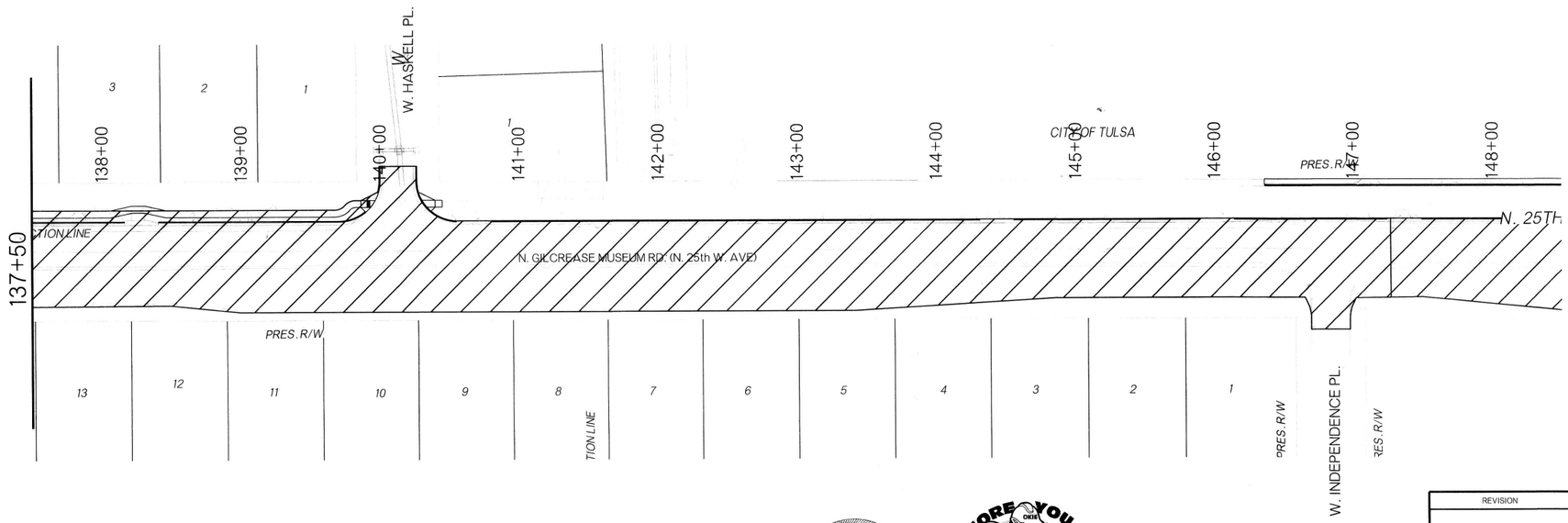
PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = N/A	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	DJD	6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.	JB	6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED:	HAS	7-2-25	
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Detour			DATE: 7/3/2025
ATLAS PAGE NO:				SHEET 106 OF 268 SHEETS

PHASE 1:

CONSTRUCT WALL "A, B1, B2, C, D, E" AND PROPOSED ROADWAY. TRAFFIC DETOURED TO N. UNION AVE.

50 0 50 100
SCALE IN FEET





JARED T. BATES 20681 LICENSED PROFESSIONAL ENGINEER OKLAHOMA
6/20/2025

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REVISION	BY	DATE

SEQUENCE OF CONSTRUCTION (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

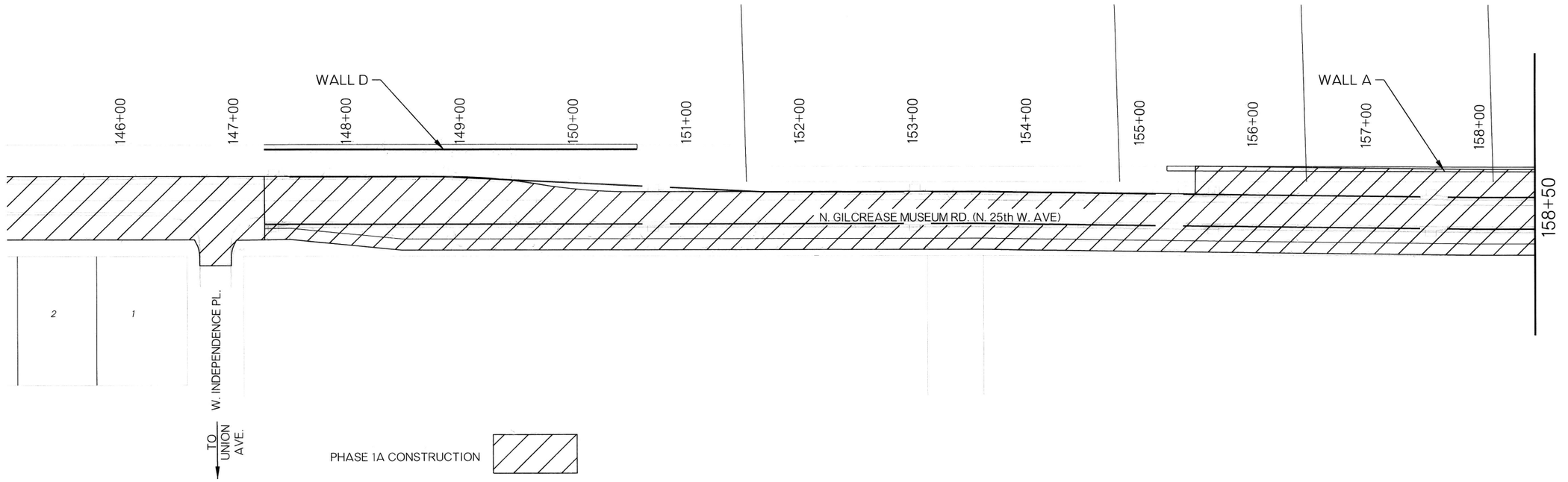
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

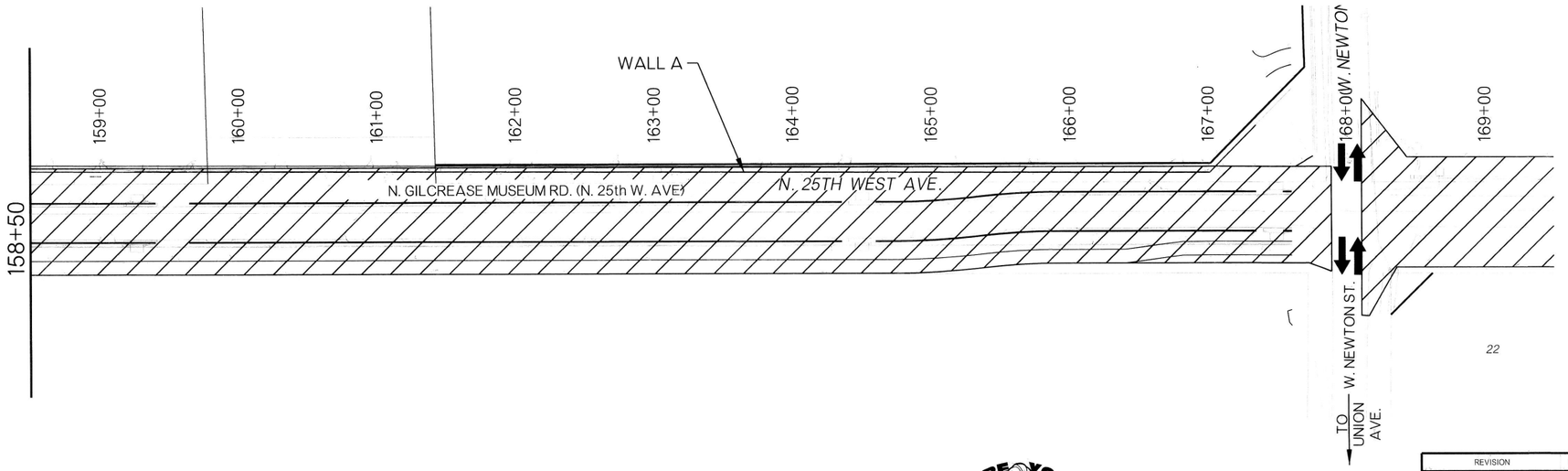
PLAN SCALE: 1" = 20'A	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1" = N/A	LEAD ENGR.			
	FIELD MGR.			
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Sequence Const_ph 1A-1			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 107 OF 268 SHEETS

PHASE 1:

CONSTRUCT WALL "A, B1, B2, C, D, E" AND PROPOSED ROADWAY. TRAFFIC DETOURED TO N. UNION AVE.

50 0 50 100
SCALE IN FEET





JARED T. BATES 20681 LICENSED PROFESSIONAL ENGINEER OKLAHOMA

6/20/2025

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22

SEQUENCE OF CONSTRUCTION (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

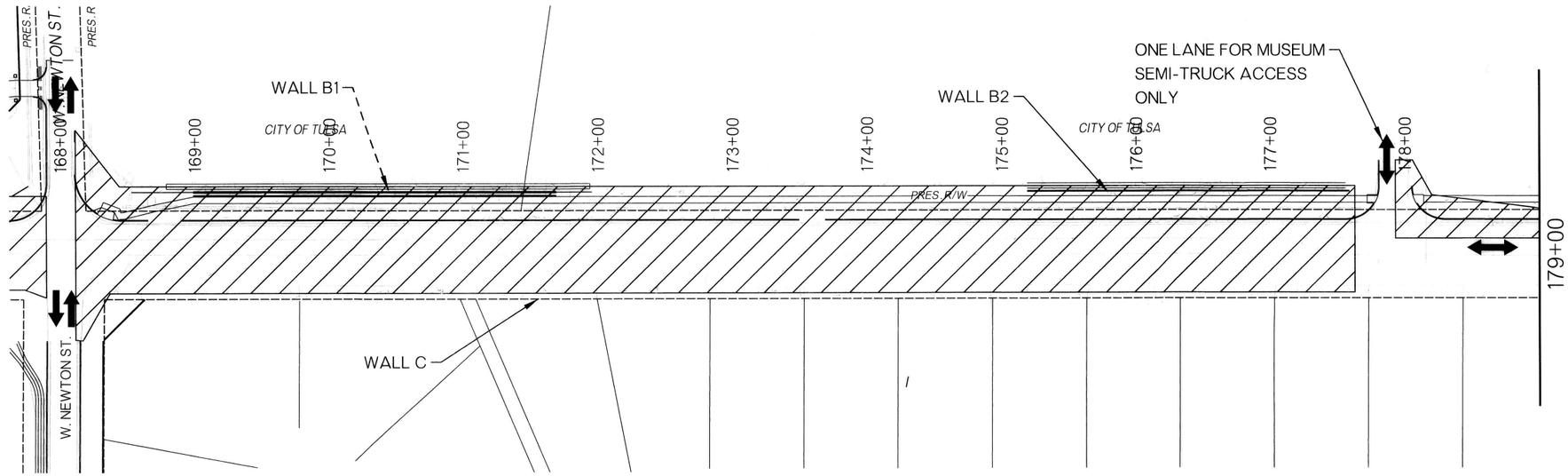
REVISION	BY	DATE

PLAN SCALE: 1" = 20'A	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
	LEAD ENGR.			
HORIZONTAL: 1" = N/A	FIELD MGR.			
	RECOMMENDED:			
VERTICAL 1" = N/A	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Sequence Const._ph IA-2		DATE: 7/3/2025	
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET 108 OF 268 SHEETS	

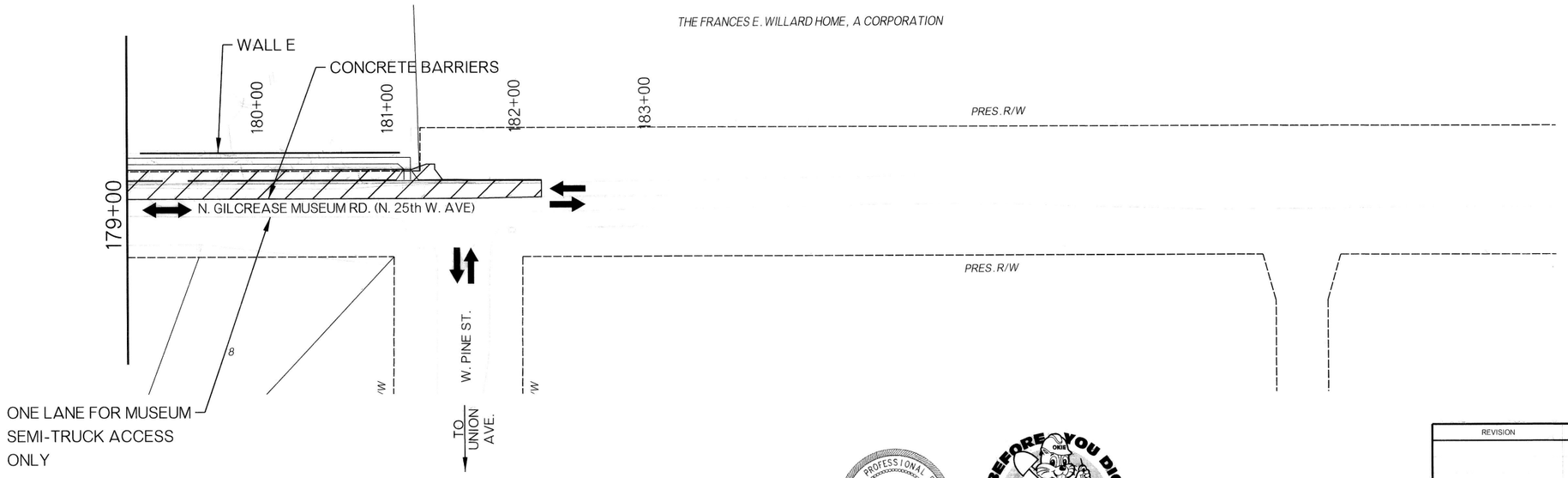
PHASE 1:

CONSTRUCT WALL "A, B1, B2, C, D, E" AND PROPOSED ROADWAY. TRAFFIC DETOURED TO N. UNION AVE.

50 0 50 100
SCALE IN FEET



PHASE 1A CONSTRUCTION



PHASE 1A CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA
6/20/2025

BEFORE YOU DIG 1-800-522-OKIE 811 CALL OKIE

REVISION	BY	DATE

SEQUENCE OF CONSTRUCTION (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

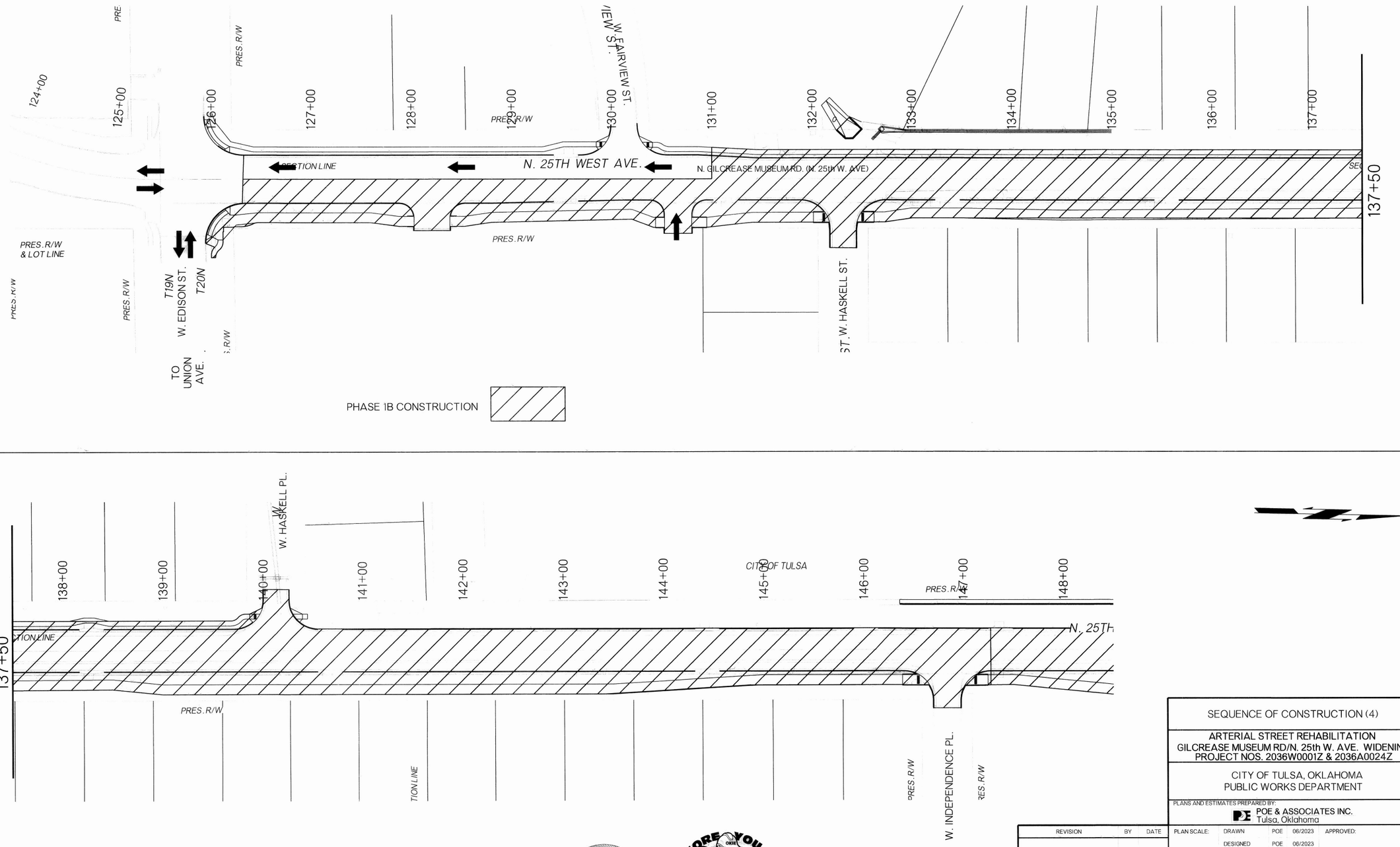
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'A	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/20	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER		7-23	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Sequence Const_ph 1A-3			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 109 OF 268 SHEETS

PHASE 1:

CONSTRUCT WALL "A, B1, B2, C, D, E" AND PROPOSED ROADWAY. TRAFFIC DETOURED TO N. UNION AVE.

50 0 50 100
SCALE IN FEET



PHASE 1B CONSTRUCTION

PHASE 1B CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

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SEQUENCE OF CONSTRUCTION (4)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

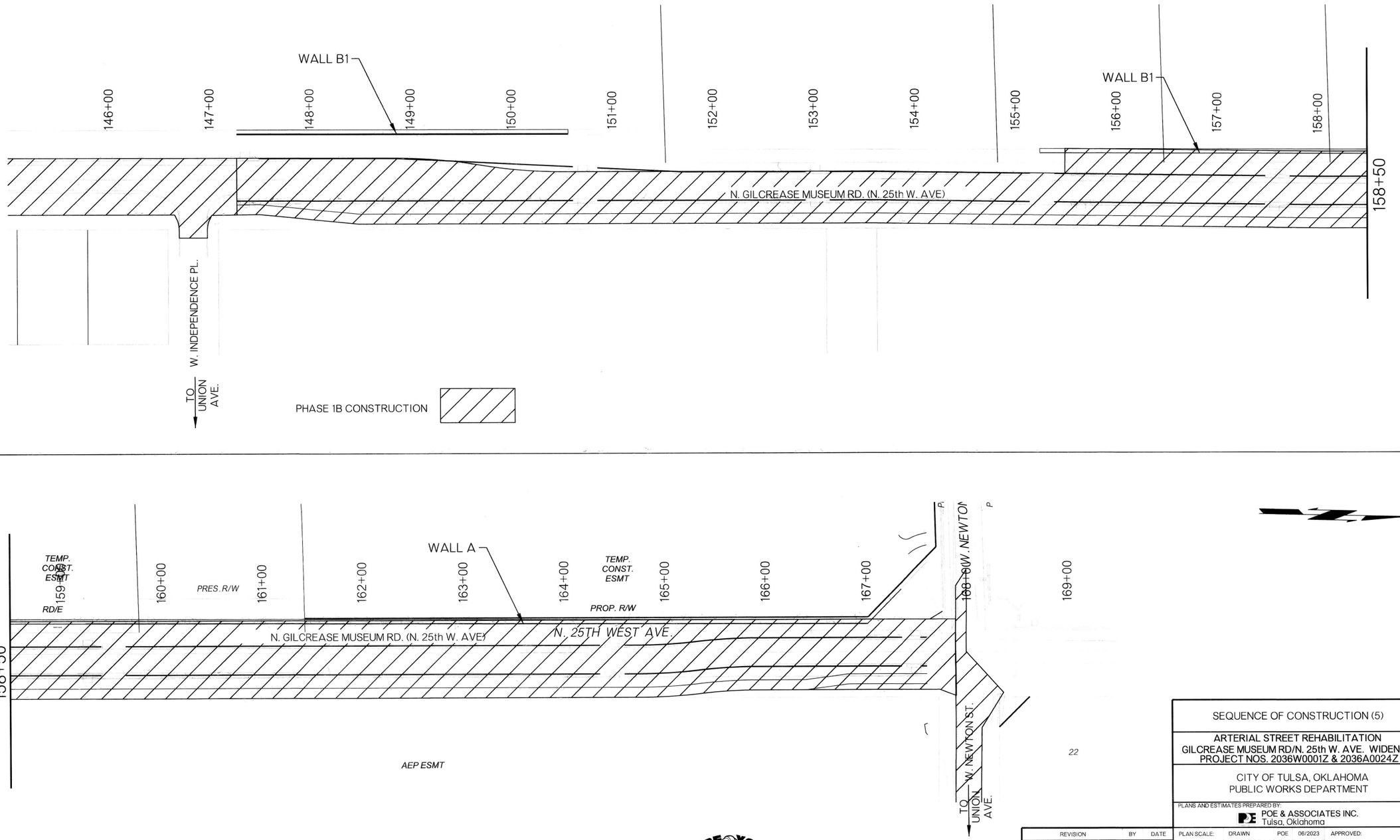
REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = 20'	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL:	LEAD ENGR.		6/25	
1" = N/A	FIELD MGR.		6/25	
VERTICAL	RECOMMENDED:		7-25	
1" = N/A	DESIGN MANAGER		CITY ENGINEER	
FILE: H:\21-1009	DRAWING: 21-1009-Sequence Const._ph 1B-1		DATE: 7/3/2025	
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET 110 OF 268 SHEETS	

PHASE 1:

CONSTRUCT WALL "A, B1, B2, C, D, E" AND PROPOSED ROADWAY. TRAFFIC DETOURED TO N. UNION AVE.

50 0 50 100
SCALE IN FEET



SEQUENCE OF CONSTRUCTION (5)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'A	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL: 1" = N/A	RECOMMENDED: DESIGN MANAGER		7.25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Sequence Const_ph 1B-2			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET 111 OF 268 SHEETS

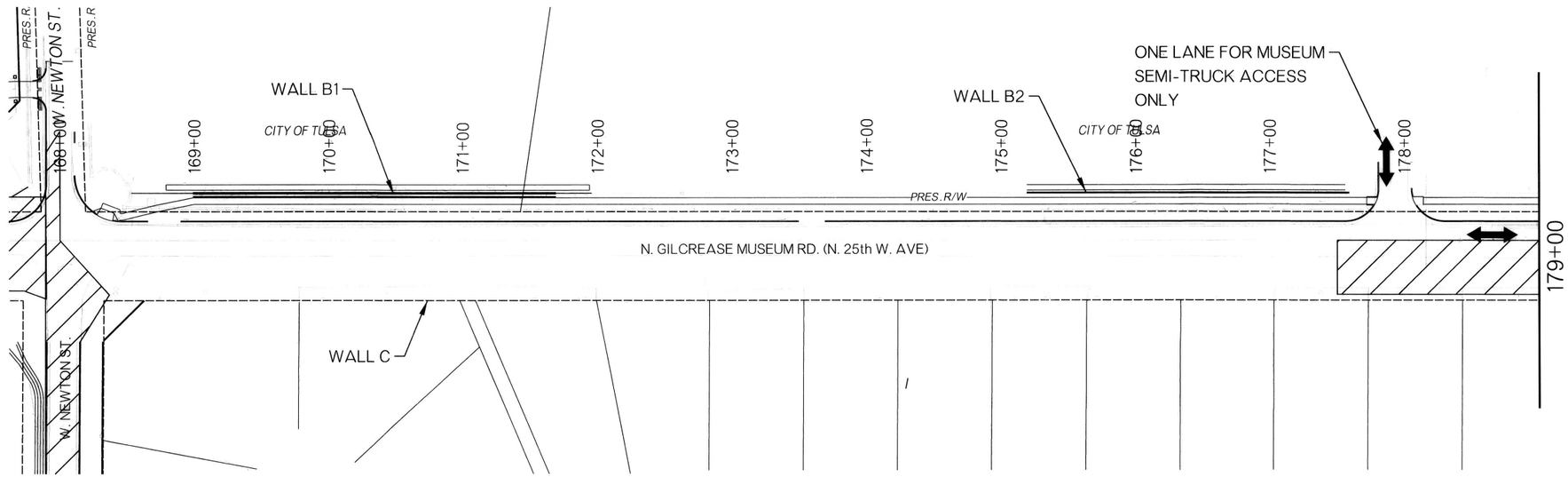
LICENSED PROFESSIONAL ENGINEER
JARED T. BATES
20681
OKLAHOMA
6/20/2025

BEFORE YOU DIG
811
1-800-522-OKIE
CALL OKIE

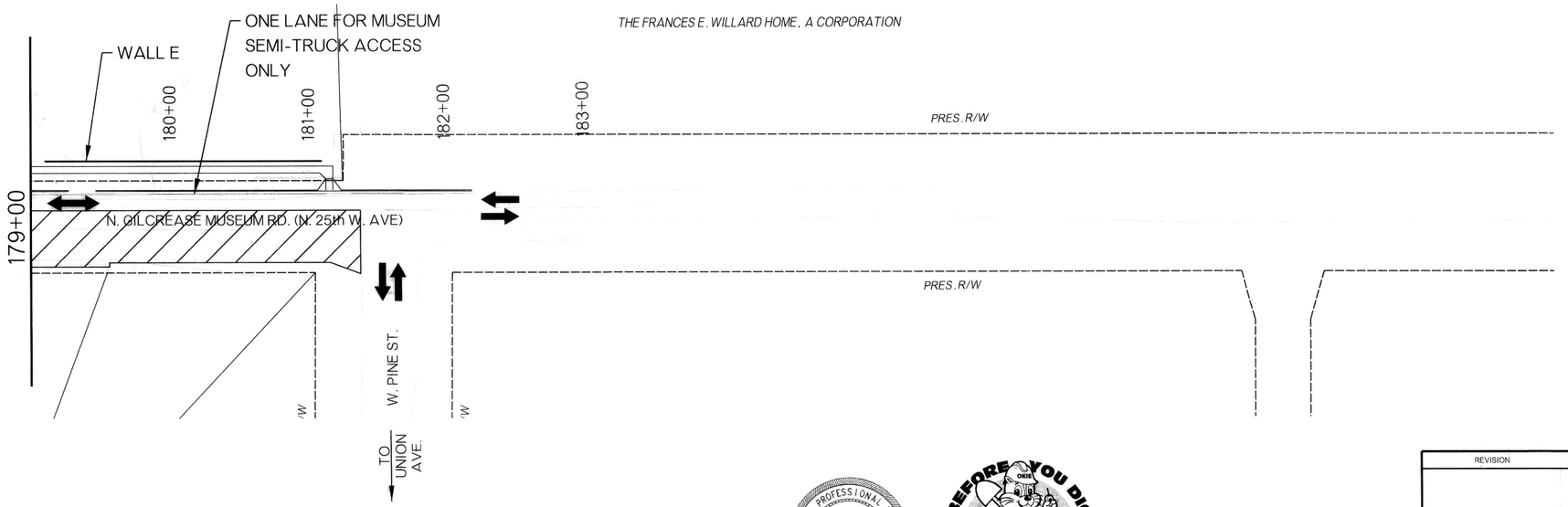
PHASE 1:

CONSTRUCT WALL "A, B1, B2, C, D, E" AND PROPOSED ROADWAY. TRAFFIC DETOURED TO N. UNION AVE.

50 0 50 100
SCALE IN FEET



PHASE 1B CONSTRUCTION



PHASE 1B CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER JARED T. BATES 20681 OKLAHOMA
6/20/2025

BEFORE YOU DIG 1-800-522-OKIE 811 CALL OKIE

REVISION	BY	DATE

SEQUENCE OF CONSTRUCTION (6)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

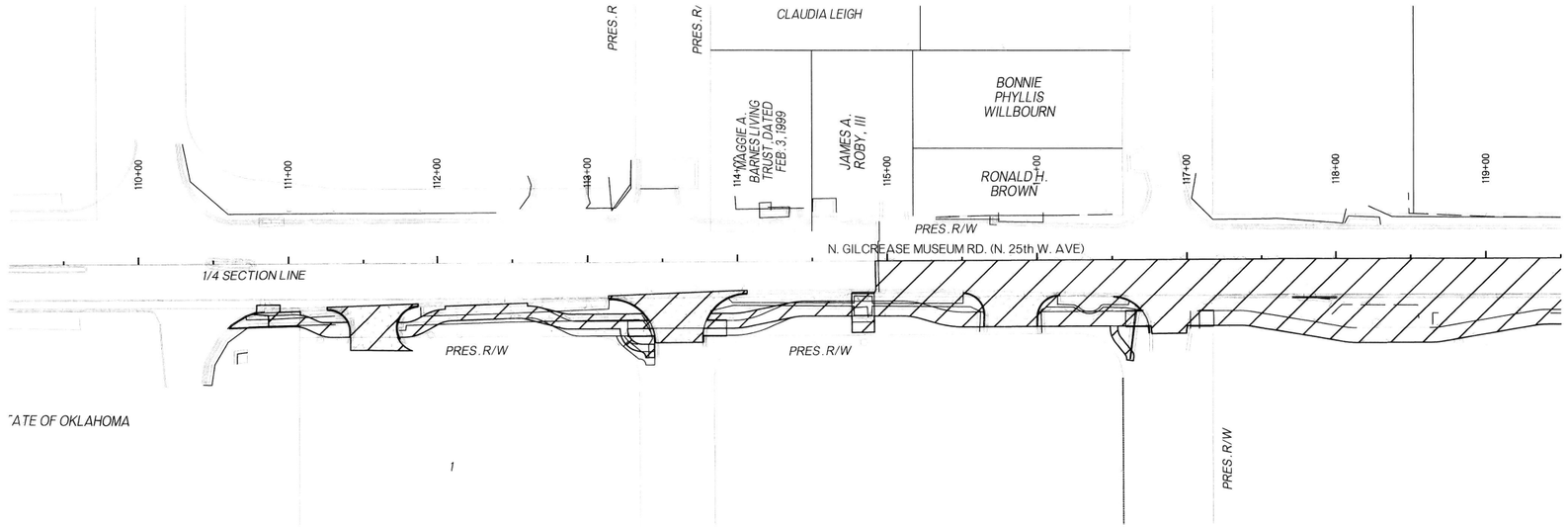
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'A	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER		7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Sequence Const_ph IB-3		DATE: 7/3/2025	
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET 112 OF 268 SHEETS	

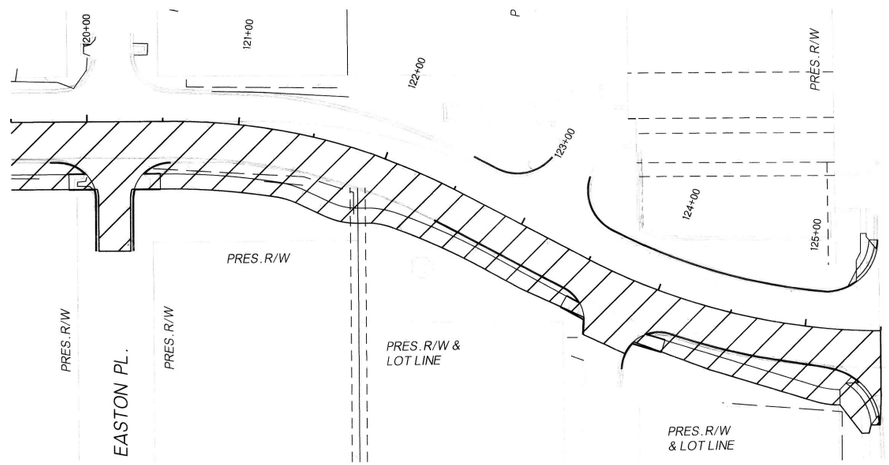
PHASE 2A:

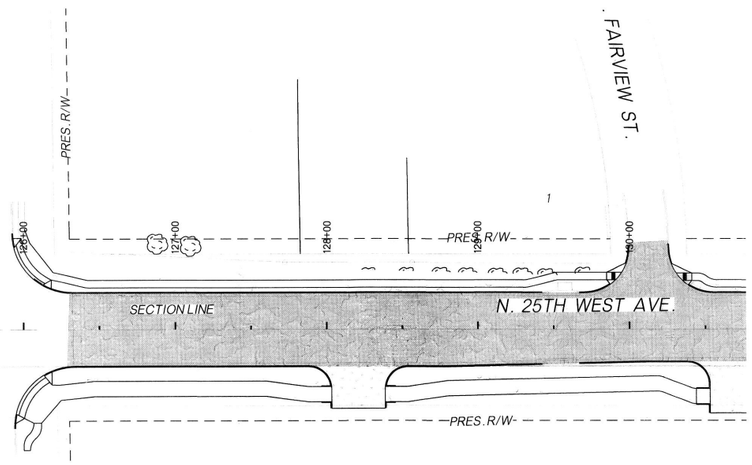
CLOSE WESTERN LANES AND RECONSTRUCT/MILL AND OVERLAY
EASTERN LANES AND CONSTRUCT TRAIL SOUTH OF EDISON

50 0 50 100
SCALE IN FEET



PHASE 2A CONSTRUCTION





PHASE 2A CONSTRUCTION

JARED T. BATES 20681 LICENSED PROFESSIONAL ENGINEER OKLAHOMA
6/20/2025

BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

SEQUENCE OF CONSTRUCTION (7)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

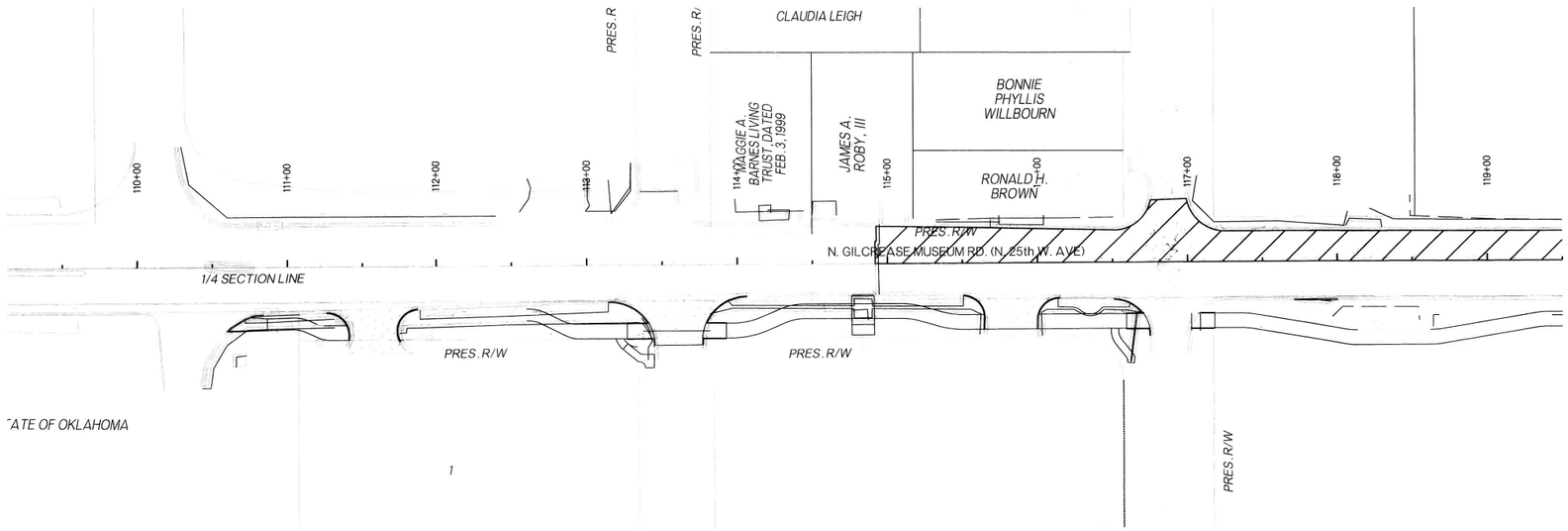
REVISION	BY	DATE

PLAN SCALE:	DRAWN	POE	06/2023	APPROVED:
1" = 20'A	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL:	LEAD ENGR.			
1" = N/A	FIELD MGR.			
	RECOMMENDED:			
VERTICAL 1" = N/A	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Sequence Const_ph 2A		DATE:	7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET	113 OF 268 SHEETS

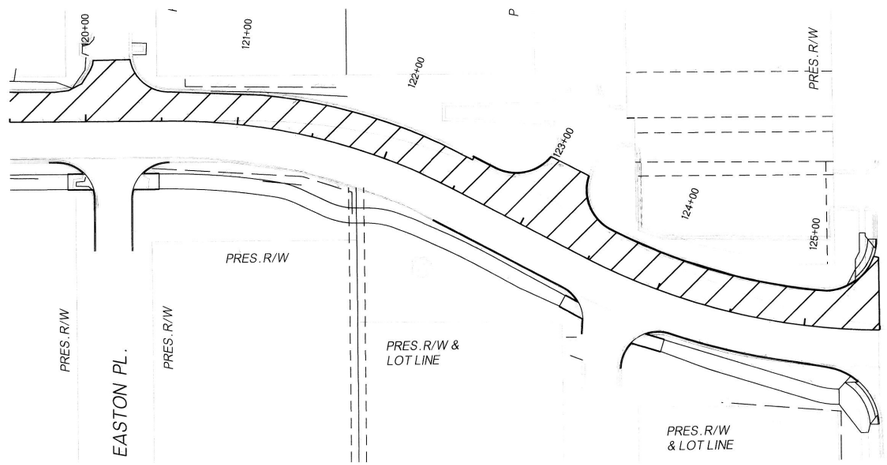
PHASE 2B:

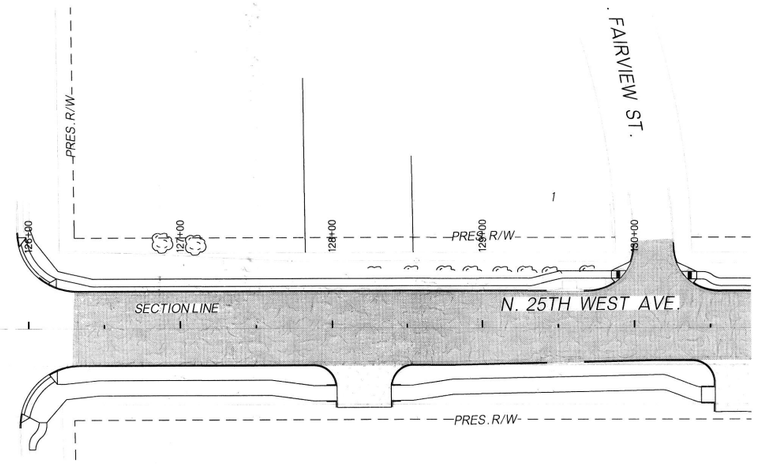
CLOSE EASTERN LANES AND RECONSTRUCT/MILL AND OVERLAY WESTER LANES SOUTH OF EDISON

50 0 50 100
SCALE IN FEET



PHASE 2B CONSTRUCTION





PHASE 2B CONSTRUCTION

JARED T. BATES 20681 LICENSED PROFESSIONAL ENGINEER STATE OF OKLAHOMA
6/20/2025

BEFORE YOU DIG 1-800-522-OKIE 811 CALL OKIE

SEQUENCE OF CONSTRUCTION (8)

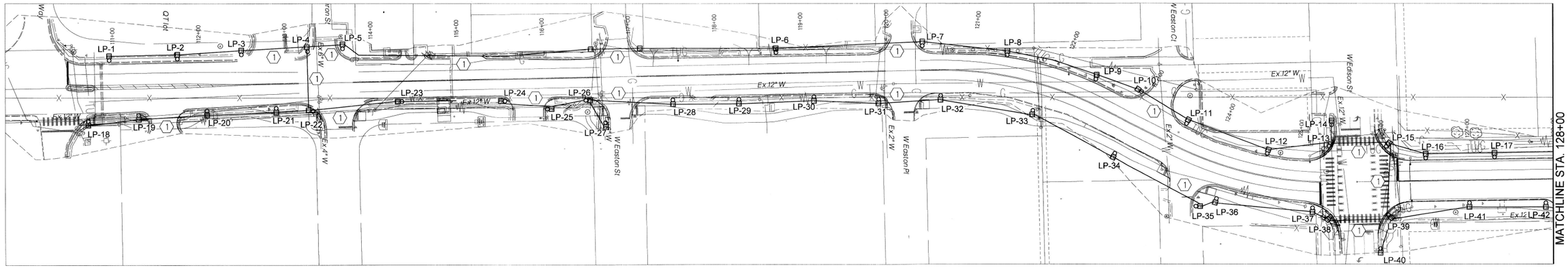
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 20'/A	DRAWN	POE	06/2023	APPROVED:
	DESIGNED	POE	06/2023	
	SURVEY	MW	3/2022	
PROFILE SCALE:	PROJ. MGR.	TNO	6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.	DJ	6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED DESIGN MANAGER	HAS	7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009-Sequence Const_ph 2B			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET 114 OF 268 SHEETS



0 60 120 180

SCALE

INSTALLATION LEGEND

———	INSTALL NEW ELECTRICAL CONDUIT WITH PULLTAPE, TRENCHED (1-WAY 2"C)
○	LIGHT POLE FOUNDATION, # INDICATES FOUNDATION NUMBER
▨	INSTALL NEW ELECTRICAL EQUIPMENT RACK OR PEDESTAL WITH UTILITY METER, MAIN DISCONNECT, POWER PANELS, AND PEC. COORDINATE EXACT VOLTAGES AND SIZES WITH UTILITY, PRIOR TO INSTALLATION
PB	INSTALL NEW SIZE I ELECTRICAL POLYMER CONCRETE PULL BOX

INSTALLATION NOTES:

1. ALL INSTALLATION ITEMS SHALL BE AS DETAILED IN THE LEGEND UNLESS OTHERWISE NOTED.
2. SEE SUMMARY OF QUANTITIES FOR ADDITIONAL INFORMATION.

LIGHTING INSTALLATION PLANS KEYED NOTES MASTER LIST:

1. CONDUIT RUN SHALL BE TWO 2" CONDUITS.
2. COORDINATE EXACT LOCATION OF UTILITY POLE AND TRANSFORMER WITH UTILITY DURING CONSTRUCTION. FOR CONNECTION, INSTALL NEW CONDUIT RUN, TWO (2) 2" CONDUITS, WITH SECONDARY CONDUCTORS AS NEEDED. THE UTILITY POINT OF CONTACT IS JEFF CONWELL, PSO, PHONE NUMBER, 918-344-9853, EMAIL, JCONWELL@AEP.COM

LICENSED PROFESSIONAL ENGINEER
James K. Schmitt
34062
OKLAHOMA

Digitally Signed 06/23/2025

BEFORE YOU DIG
811
1-800-522-OKIE
CALL OKIE

ADVERTISE DATE:

REVISION	BY	DATE

LIGHTING INSTALLATION PLAN 1

ARTERIAL REHAB
SHERIDAN RD - 91ST TO 101ST ST
#144017-AJ

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
GARVER
6100 S. YALE AVE. SUITE 1300
TULSA, OKLAHOMA 74136
Phone: (918) 250-5922
Fax: (918) 858-0107

DRAWN	GARV	2025
DESIGNED	GARV	2025
SURVEY		
PROJ. MGR.		6/25
LEAD MGR.		6/25
FIELD MGR.		6/25

APPROVED:

PLAN SCALE 1" = 60'
PROFILE SCALE HORIZONTAL: 1"=60'
VERTICAL: 1"=60'

RECOMMENDED:

DESIGN MANAGER 7-25

CITY ENGINEER

FILE: DRAWING:

DATE: 7/3/2025

ATLAS PAGE NO.

SHEET 115 OF 268 SHEETS

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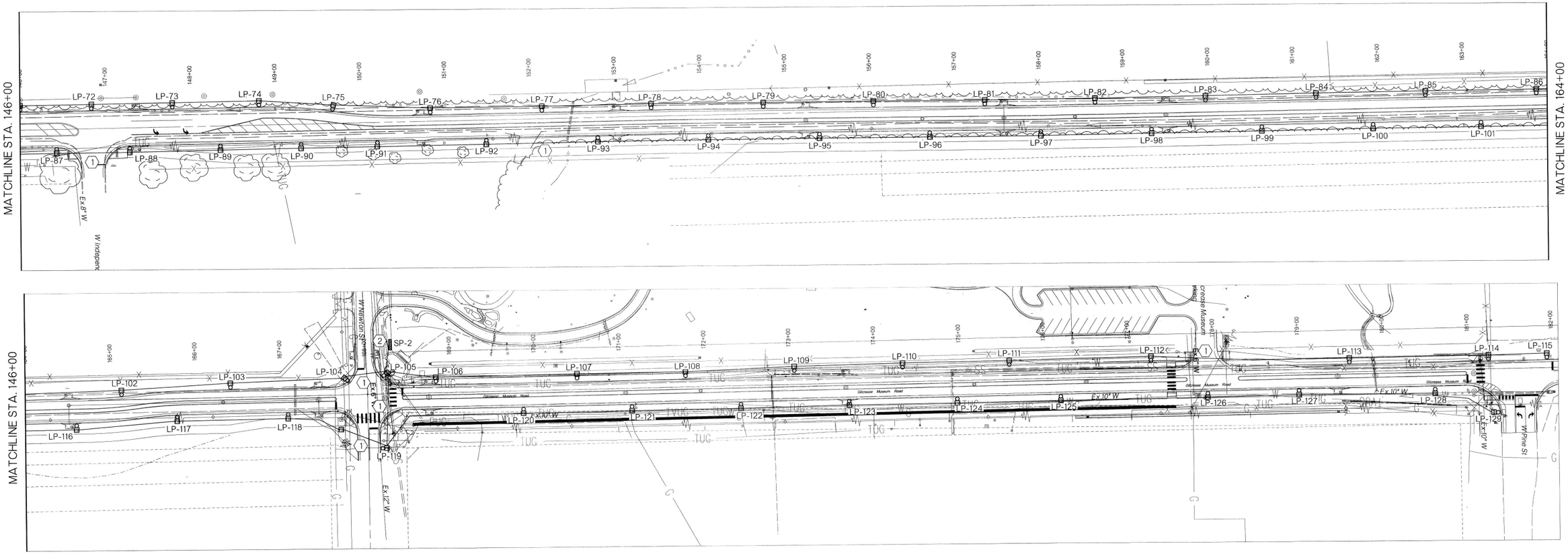


INSTALLATION LEGEND

———	INSTALL NEW ELECTRICAL CONDUIT WITH PULLTAPE, TRENCHED (1-WAY 2"C)
○	LIGHT POLE FOUNDATION, # INDICATES FOUNDATION NUMBER
▨	INSTALL NEW ELECTRICAL EQUIPMENT RACK OR PEDESTAL WITH UTILITY METER, MAIN DISCONNECT, POWER PANELS, AND PEC. COORDINATE EXACT VOLTAGES AND SIZES WITH UTILITY, PRIOR TO INSTALLATION
PB	INSTALL NEW SIZE I ELECTRICAL POLYMER CONCRETE PULL BOX

INSTALLATION NOTES:

1. ALL INSTALLATION ITEMS SHALL BE AS DETAILED IN THE LEGEND UNLESS OTHERWISE NOTED.
2. SEE SUMMARY OF QUANTITIES FOR ADDITIONAL INFORMATION.

LIGHTING INSTALLATION PLANS KEYED NOTES MASTER LIST:

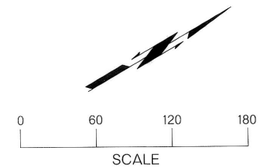
〈1〉 CONDUIT RUN SHALL BE TWO 2" CONDUITS.

〈2〉 COORDINATE EXACT LOCATION OF UTILITY POLE AND TRANSFORMER WITH UTILITY DURING CONSTRUCTION. FOR CONNECTION, INSTALL NEW CONDUIT RUN, TWO (2) 2" CONDUITS, WITH SECONDARY CONDUCTORS AS NEEDED. THE UTILITY POINT OF CONTACT IS JEFF CONWELL, PSO, PHONE NUMBER, 918-344-9853, EMAIL, JCONWELL@AEP.COM



Digitally Signed 06/23/2025





LIGHTING INSTALLATION PLAN 2

ARTERIAL REHAB
SHERIDAN RD - 91ST TO 101ST ST
#144017-AJ

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

GARVER

PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922
TULSA, OKLAHOMA 74136 Fax: (918) 858-0107

DRAWN	GAR	7/2025
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PROJ. MGR.		6/25
LEAD MGR.		6/25
FIELD MGR.		6/25
RECOMMENDED:		
DESIGN MANAGER	HAS	7.25
CITY ENGINEER		

APPROVED:

PLAN SCALE
1" = 60'
PROFILE SCALE
HORIZONTAL:
1"=60'
VERTICAL:
1"=60'

ADVERTISE DATE:		
REVISION	BY	DATE

FILE: DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO.
SHEET 116 OF 268 SHEETS

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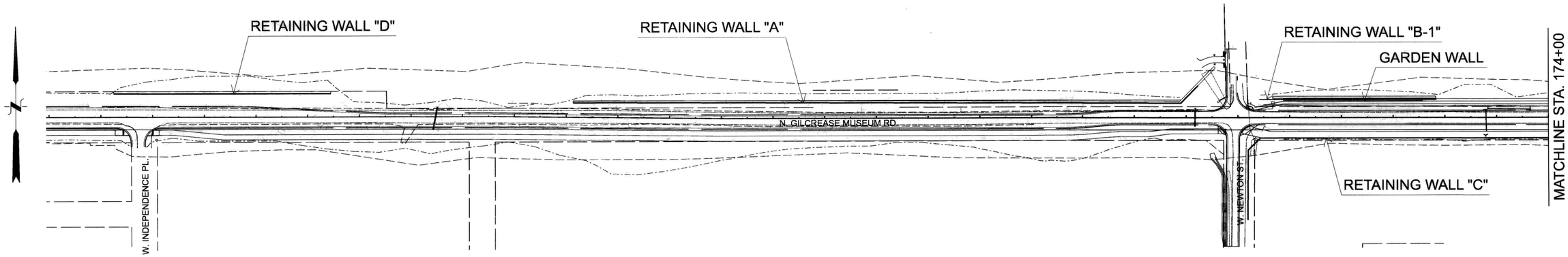

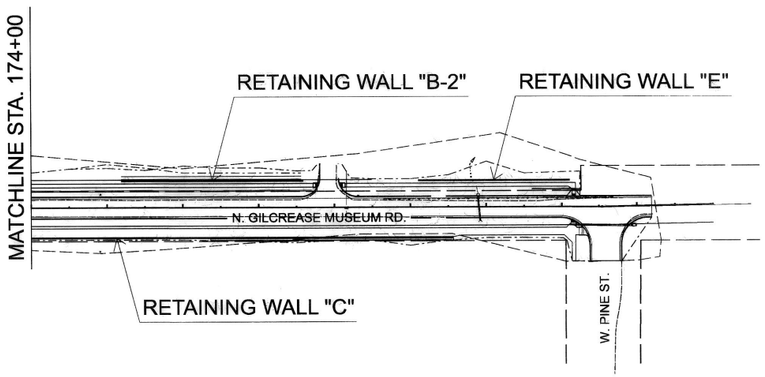

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SUMMARY OF RETAINING WALL QUANTITIES
(FOR INFORMATION PURPOSE ONLY)

	ITEM	UNIT	WALL 'A'	WALL 'B-1'	GARDEN WALL	WALL 'B-2'	WALL 'C'	WALL 'D'	WALL 'E'	TOTAL
PAY ITEMS	TEMPORARY EARTH RETAINAGE	LS	-	-	-	-	-	-	1	1
	STRUCTURAL STEEL	LB	828,020	151,490	-	-	-	277,530	-	1,257,040
	CLASS C CONCRETE	CY	81	23	-	13	18	29	-	164
	RETAINING WALL, SOLDIER PILE, COMPLETE, IN PLACE	SY	2,166	369	-	-	-	705	-	3,240
	RETAINING WALL, C.I.P., COMPLETE, IN PLACE	SY	-	58	195	248	1,101	-	347	1,949
	GRAFFITI TREATMENT	SF	16,564	2,045	1,125	1,388	5,637	5,325	2,690	34,774
	DECORATIVE WALL	LF	-	-	-	-	978	-	-	978
	(PL)PILOT HOLES	LF	1,829	356	-	-	-	629	-	2,814
	ORNAMENTAL 42" AMERISTAR FENCE	LF	-	343	-	240	-	-	200	783
	ORNAMENTAL 72" AMERISTAR FENCE	LF	607	-	-	-	286	-	-	893
	FENCE-STYLE CLF (6' HIGH, VINYL COATED)	LF	618	-	-	-	-	420	-	1,038
NON-PAY ITEMS (TO BE INCLUDED IN COST PER SY OF "RETAINING WALL")	UNCLASSIFIED BORROW	CY	-	35	105	245	985	-	-	1,370
	SELECT BORROW	CY	1,930	240	-	299	1,460	385	-	4,314
	SUBSTRUCTURE EXCAVATION COMMON	CY	3,600	265	5	295	850	1,180	-	6,195
	SUBSTRUCTURE EXCAVATION ROCK	CY	2,570	489	864	144	783	233	-	5,083
	SELECT BACKFILL	CY	-	26	99	-	-	-	-	125
	GRANULAR BACKFILL	CY	3,953	361	-	-	-	882	-	5,196
	CLASS A CONCRETE	CY	-	69	165	298	1,151	-	380	2,063
	PRECAST LAGGING PANEL	SF	18,407	3,101	-	-	-	5,977	-	27,485
	PRECAST COPING	EA	122	27	-	-	-	42	-	191
	PRECAST PILE CAP	EA	123	28	-	-	-	43	-	194
	REINFORCING STEEL	LB	-	6,640	12,870	22,590	150,110	-	29,960	222,170
	6" PERFORATED PIPE UNDERDRAIN ROUND	LF	1,225	343	270	240	1,272	420	200	3,970
	6" NON-PERF.PIPE UNDERDRAIN RND.	LF	10	10	5	5	435	5	10	480
	PIPE UNDERDRAIN COVER MATERIAL	CY	346	85	61	31	258	104	-	885
	1 ½" CONC. SURFACE TREATMENT	SF	18,407	3,619	1,888	2,233	9,957	5,977	3,724	45,805
	CONSTRUCTION STAKING LEVEL II	EA	-	-	-	-	-	-	-	1

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PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

WALL LOCATION MAP & SUMMARY OF PAY QUANTITIES

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE 2025	APPROVED:
DESIGNED		
SURVEY		
PROJ. MGR.	6/25	
LEAD ENGR.	6/25	
FIELD MGR.	6/25	
RECOMMENDED: DESIGN MANAGER	7-25	CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S1 OF 268 SHEETS

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DESIGN DATA

DESIGN SPECIFICATIONS:

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION

UNIT STRESSES:

CLASS A CONCRETE	F'c = 3,000 PSI
CLASS AA CONCRETE	F'c = 4,000 PSI
REINFORCING STEEL (GRADE 60)	Fy = 60,000 PSI
STRUCTURAL STEEL M270 (GRADE 50W)	Fy = 50,000 PSI

GENERAL NOTES

SPECIFICATIONS:

ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH 2019 OKLAHOMA STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, AS ADOPTED BY THE CITY OF TULSA.

UTILITIES:

(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION PLANNED OR PRESENTLY UNDER CONSTRUCTION, THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES. NO PAYMENT WILL BE MADE FOR REMOVAL OF ABANDONED UTILITY PIPE LINES THAT INTERFERE WITH CONSTRUCTION. ALL COST TO BE INCLUDED IN OTHER ITEMS.

OKLAHOMA OKIE811 SYSTEM:

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, THE CONTRACTOR SHALL NOTIFY OKIE811 THREE BUSINESS DAYS PRIOR TO BEGINNING EXCAVATION AT OKIE811.ORG.

DESIGN NOTES:

THERE SHALL BE NO SURCHARGE WITHIN 25 FEET OF THE CREST OF THE TEMPORARY EXCAVATION SLOPE DURING CONSTRUCTION OF THE RETAINING WALLS.

CARE SHALL BE TAKEN IN THE DESIGN AND DURING CONSTRUCTION TO DEVELOP AND MAINTAIN RAPID, POSITIVE DRAINAGE AWAY FROM THE RETAINING WALL AREA. WATER SHOULD NOT BE ALLOWED TO POND ADJACENT TO EITHER THE UP SLOPE OR DOWN SLOPE SIDES OF THE RETAINING WALL. PROPER SURFACE DRAINAGE IS NEEDED TO PREVENT WATER FROM FLOWING OVER THE FACE OF THE WALL AND SATURATING EITHER THE FILL BEHIND THE WALL OR THE SUBGRADE SOILS AT THE BASE OF THE WALL.

CONVENTIONAL DE-WATERING METHODS SHOULD BE ADEQUATE FOR TEMPORARY REMOVAL OF ANY GROUNDWATER ENCOUNTERED DURING THE SHALLOW EXCAVATION PROCESS. MORE EXTENSIVE DE-WATERING MAY BE REQUIRED FOR EXCAVATIONS TO REMOVE SOFT SOILS AND/OR IF CONSTRUCTION OCCURS DURING WET PERIODS OF THE YEAR.

PAYMENT:

ALL COST INCURRED DURING CONSTRUCTION OF CONCRETE DITCH SHALL BE INCLUDED IN THE UNIT PRICE BID PER CUBIC YARD OF "CLASS C CONCRETE".

TYPICAL FORM LINER AND CONCRETE FINISH NOTES:

THE EXPOSED CONCRETE SURFACES OF THE RETAINING WALL SYSTEM SHALL HAVE THE FORM LINER SURFACE TREATMENT THAT HAS BEEN PRE-APPROVED BY THE ENGINEER FOR THE AESTHETIC THEME OF THE PROJECT. SEE RETAINING WALL SHEETS FOR DETAILS.

THE CONTRACTOR SHALL SUBMIT THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PRODUCT DATA FOR THE TEXTURE SURFACE TREATMENTS. SHOP DRAWINGS SHALL INDICATE FORM LINER LAYOUT, RUSTICATION, REVEAL, AND CHAMFER STRIPS. LOCATION OF JOINTS AND FORM TIES SHALL BE INCLUDED. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, FOR HIS APPROVAL, A SAMPLE PANEL OF THE APPROVED FORM LINER SURFACE TREATMENTS. THE SAMPLE PANEL SHALL BE AN 2' x 2' PANEL WITH SURFACE TREATMENTS. FOLLOWING THE APPROVAL OF THE SMALL SAMPLE PANEL, THE CONTRACTOR SHALL PROVIDE ONE FULL SCALE MOCK-UP PANEL OF THE SURFACE TREATMENT USING PROPOSED MATERIALS, METHODS AND WORKMANSHIP. THE PANELS SHALL BE APPROVED BY THE ENGINEER ON THE SITE. THE MOCK-UP PANELS SHALL BE A MINIMUM OF 50 SQUARE FEET IN SIZE, AND MAY BE INCORPORATED INTO THE ACTUAL WALLS.

THE MOCK-UP PANEL SHALL INCORPORATE THE PROPOSED CONCRETE MIX, FORM WORK, TIES, FORM LINER, FORM RELEASE AGENTS, PLACEMENT RATE, FORM PRESSURES, JOINT SEALER, VIBRATING, AND FORM STRIPPING PRACTICES.

THE MOCK-UPS SHALL BE ACCEPTED BY THE ENGINEER PRIOR TO BEGINNING FORM WORK FOR THE PROJECT. THE ACCEPTED MOCK-UPS WILL BE THE STANDARD FOR TECHNICAL AND AESTHETIC MERIT.

FORM WORK SHALL BE DESIGNED BY THE CONTRACTOR TO COMPLY WITH ALL REQUIREMENTS BY THE FORM LINER MANUFACTURER. THIS INCLUDES, ALL REQUIREMENTS OF THE FORM LINER MANUFACTURER FOR HANDLING AND INSTALLATION OF THE FORM LINERS AS WELL AS THE APPLICATION OF RELEASE AGENTS. PLACEMENT OF CONCRETE, VIBRATING OF CONCRETE, AND REMOVAL OF FORMS SHALL BE FOLLOWED. FORM LINER BUTT JOINT SHALL BE CAREFULLY LINED UP TO PROVIDE A SURFACE FREE FROM VISIBLE SEAM LINES.

ANTI-GRAFFITI COATING SYSTEM:

AN ANTI-GRAFFITI COATING SYSTEM SHALL BE APPLIED IN ACCORDANCE WITH 737.04 OF THE ODOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE FEDERAL COLOR CHART AND FEDERAL COLOR NUMBERS PRIOR TO APPLICATION OF THE COATING SYSTEM. THE COLOR CHOSEN BY THE ENGINEER WILL THEN BE APPLIED TO THE COATING SYSTEM.

THE COATING SYSTEM SHALL BE APPLIED TO ALL EXPOSED AREAS OF THE WALL. THIS INCLUDED THE TOP COPING, SIDES, AND ROADWAY FACE OF THE WALL.

THE ANTI-GRAFFITI FINISH AND ALL COSTS ASSOCIATED WITH THIS SHALL BE INCLUDED IN THE BID PER SQUARE FEET OF "GRAFFITI TREATMENT."

PERFORATED PIPE UNDERDRAIN:

THE INSTALLATION OF THE 6" PERFORATED PIPE UNDERDRAIN AND THE COVER MATERIAL SHALL BE PERFORMED ACCORDING TO THE PLANS AND AS SHOWN IN ODOT 2019 ROADWAY STANDARD PUD-4.

PIPE UNDER DRAIN INSTALLATION:

RETAINING WALL "A" UNDERDRAIN SHALL BE CONNECTED TO APPROXIMATELY 5 LF OF 6" NON-PERFORATED PIPE EXTENDING FROM PANEL 1 AND STUBBED INTO DRAINAGE STRUCTURE MH44 AND BE CONNECTED TO APPROXIMATELY 5 L.F. OF 6" NON-PERFORATED PIPE EXTENDING FROM PANEL 122 AND STUBBED INTO DRAINAGE STRUCTURE SMD6.

RETAINING WALL "B-1" UNDERDRAIN SHALL BE CONNECTED TO APPROXIMATELY 5 LF OF 6" NON-PERFORATED PIPE EXTENDING FROM C.I.P. PANEL 1 AND STUBBED INTO DRAINAGE STRUCTURE SMD10 AND BE CONNECTED TO APPROXIMATELY 5 L.F. OF 6" NON- PERFORATED PIPE EXTENDING FROM C.I.P. PANEL 3 AND STUBBED INTO DRAINAGE STRUCTURE SMD3.

GARDEN WALL UNDERDRAIN SHALL BE CONNECTED TO APPROXIMATELY 5 LF OF 6" NON-PERFORATED PIPE EXTENDING FROM PANEL 1 AND STUBBED INTO 6" PERFORATED PIPE FROM RETAINING WALL "B-1".

RETAINING WALL "B-2" UNDERDRAIN SHALL BE CONNECTED TO APPROXIMATELY 5 LF OF 6" NON-PERFORATED PIPE EXTENDING FROM PANEL 1 AND STUBBED INTO DRAINAGE STRUCTURE SMD8.

RETAINING WALL "C" UNDERDRAIN SHALL BE CONNECTED TO APPROXIMATELY 5 LF OF 6" NON-PERFORATED PIPE EXTENDING FROM PANEL 1 AND STUBBED INTO DITCH, BE CONNECTED TO APPROXIMATELY 425 L.F. OF 6" NON-PERFORATED PIPE EXTENDING FROM PANEL 24 AND STUBBED INTO DRAINAGE STRUCTURE ST40, AND BE CONNECTED TO APPROXIMATELY 5 L.F. OF 6" NON-PERFORATED PIPE EXTENDING FROM PANEL 51 AND STUBBED INTO DRAINAGE STRUCTURE SMD5.

RETAINING WALL "D" UNDERDRAIN SHALL BE CONNECTED TO APPROXIMATELY 5 LF OF 6" NON-PERFORATED PIPE EXTENDING FROM PANEL 1 AND STUBBED INTO DRAINAGE STRUCTURE SMD11.

RETAINING WALL "E" UNDERDRAIN SHALL DRAIN TO PIPE FROM MH51 (APPROXIMATELY 5 LF OF 5" NON-PERFORATED PIPE EACH SIDE OF R.C.P.).

C.I.P. WALL NOTES

1. ALL CONCRETE EDGES SHALL HAVE A 1" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.
2. ALL REINFORCING STEEL SHALL HAVE A 2" MINIMUM CLEAR COVER UNLESS OTHERWISE SHOWN.

VERIFICATION OF EXISTING CONDITIONS:

STATION AND OFFSET OF THE END OF WALL "B-1" SHALL MATCH THE EXISTING STONE WALL. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS NECESSARY TO MATCH WALL "B-1" TO THE EXISITING STONE WALL AND SHALL BE SOLELY RESPONSIBLE FOR THE ACCURACY THEREOF. BIDDERS WILL FULLY INFORM THEMSELVES OF THE NATURE OF THE WORK AND CONDITION UNDER WHICH IT WILL BE PERFORMED.

CONCRETE:

CONCRETE FOR RETAINING WALLS SHALL BE CLASS A, F'c = 3,000 PSI MINIMUM STRENGTH AT 28 DAYS.

DESIGN PARAMETERS FOR C.I.P. RETAINING WALLS:

WHERE NEW EMBANKMENT IS NECESSARY, IT SHALL BE PLACED AND COMPACTED IN 6" LIFTS OF LOOSE MATERIALS TO NOT LESS THAN 95% OF THE STANDARD PROCTOR DENSITY. ALL DENSITY TESTS SHALL BE TESTED IN ACCORDANCE TO SECTION 106.03 OF THE 2019 ODOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

FOR FURTHER DESIGN INFORMATION NOT PROVIDED IN THE PLANS OR GEOTECHNICAL REPORT, REFER TO THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

PAYMENT:

THE PAYMENT FOR C.I.P. RETAINING WALL SHALL BE BASED ON THE SURFACE AREA SHOWN ON THE PLAN AND PROFILE SHEETS FROM THE TOP OF THE RETAINING WALLS TO TOP OF FOOTING.

ALL COST INCURRED DURING CONSTRUCTION OF THE C.I.P. RETAINING WALLS SHALL BE INCLUDED IN THE UNIT PRICE BID PER SQUARE YARD OF "RETAINING WALL, C.I.P., COMPLETE, IN PLACE". THE COST SHALL INCLUDE BUT NOT LIMITED TO: EXCAVATION, BACKFILL, BACKFILL MATERIAL, DRAINAGE SYSTEMS, FILTER FABRICS, PERFORATED AND NON-PERFORATED PIPE, CONCRETE, REINFORCING STEEL, CONCRETE SURFACE FORM LINERS, RAPID CURE JOINTS, FINISH, CONCRETE MOW STRIPS AND WATER STOPS.

BEFORE YOU DIG OKIE 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

REVISION	BY	DATE

RETAINING WALL NOTES (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A	DRAWN	POE	4/2023	APPROVED:
	DESIGNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED DESIGN MANAGER	HAS 7.25		CITY ENGINEER
FILE: H:\21-1009 DRAWING\21-1009 Wall Notes				DATE: 7/31/2025
ATLAS PAGE NO:				SHEET S2 OF 268 SHEETS

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SOLDIER PILE WALL NOTES

DESIGN NOTES FOR SOLDIER PILE WALL:

THE SOLDIER PILE WALL SHALL BE COMPRISED OF PRECAST CONCRETE LAGGING. THE LAGGING SYSTEM INCLUDING THE LAGGING PANELS, CONNECTION TO THE PILES, CONNECTION BETWEEN STACKING PANELS, AND ALL OTHER DETAILS ASSOCIATED WITH THE LAGGING DESIGN SHALL BE PROVIDED BY AN ODOT APPROVED PRECAST SUPPLIER WHICH MEETS THE REQUIREMENTS OF THE ODOT SPECIFICATIONS.

LAGGING DESIGN IS APPROVED AS SHOWN IN PLANS. THE CONTRACTOR MAY CHOOSE TO PROVIDE ALTERNATE LAGGING DESIGN AT NO ADDITIONAL COST TO THE CITY OF TULSA. FOR ALTERNATE LAGGING DESIGN, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE ENGINEERING CALCULATIONS FOR THE SOLDIER PILE WALL LAGGING. THE LAGGING MUST BE DESIGNED FOR 100% OF THE LATERAL LOAD THAT COULD OCCUR DURING THE LIFE OF THE WALL IN ACCORDANCE WITH THE CURRENT EDITION OF THE AASHTO LRFD SPECIFICATIONS. THE CONTRACTOR MUST PROVIDE DETAILED SHOP DRAWINGS AND ERECTION DRAWINGS FOR APPROVAL BY THE ENGINEER PRIOR TO COMMENCEMENT OF WORK, IN ACCORDANCE WIT THE ODOT 2019 STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, SECTION 105.02. ALL DOCUMENTS MUST BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF OKLAHOMA.

LIFTING POINTS FOR LAGGING, COPING, AND PILE CAPS SHALL BE DESIGNED BY THE PRECAST CONTRACTOR. LIFTING HOLES SHALL NOT BE PERMITTED.

THE CONTRACTOR SHALL PROVIDE PRECAST COPING AS SHOWN IN THE PLANS ON TOP OF THE WALL. COPING DESIGN IS APPROVED AS SHOWN IN PLANS. THE CONTRACTOR MAY CHOOSE TO PROVIDE ALTERNATE COPING DESIGN AT NO ADDITIONAL COST TO THE CITY OF TULSA. FOR ALTERNATE COPING DESIGN, THE DETAILS FOR THE COPING TO BE USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE WALL PANELS SHALL EXTEND A MINIMUM OF 3" INTO THE COPING. IF CAST-IN-PLACECOPING IS USED, IT MUST MEET THE AESTHETIC AND ELEVATION REQUIREMENTS APPROVED BY THE ENGINEER.

THE MINIMUM PRESSURE THAT THE PRECAST LAGGING SHALL BE DESIGNED FOR IS 1.50 KSF. ADDITIONALLY CONSTRUCTION LOADS, SUCH AS ERECTION LOADS, AND SURCHARGES SHALL BE CONSIDERED IN THE DESIGN. PRECAST LAGGING PANELS SHALL BE DESIGNED WITHOUT SOIL ARCHING.

THE MINIMUM HEIGHT OF EACH PRECAST LAGGING PANEL SHALL BE 5 FEET. ALL CONNECTIONS OF THE LAGGING SHALL BE PROVIDED IN THE STAMPED CALCULATIONS AND SHOP DRAWINGS. ALL THE CONNECTIONS SHALL BE WATER TIGHT.

THE SOLDIER PILE WALL LAYOUT CONSISTS OF SOME LOCATIONS THAT CHANGE THE ANGLE OF THE WALL. AT THESE LOCATIONS, THE LAGGING SHALL BE DESIGNED TO ACCOMMODATE THESE ANGLES. IF ALTERNATE LAGGING DESIGN IS USED,THE PROVIDED STAMPED CALCULATIONS AND SHOP DRAWINGS SHALL ADDRESS THIS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING THE WALL TO THE DIMENSIONS PROVIDED IN THE PLANS. FINAL TOLERANCE SHALL BE 1/8" PER 12" FOR LEVELNESS AND PLUMBNESS.

THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL FOUNDATION INFORMATION THAT IS NOT PROVIDED IN THE PLANS.

STRUCTURAL STEEL:

UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, ALL STRUCTURAL STEEL USED SHALL BE STEEL CONFORMING TO AASHTO M270 (ASTM A709), GRADE 50W.

PILOT HOLE:

CONSTRUCT 36" DIAMETER PILOT HOLES AT THE DEPTHS AND LOCATIONS SHOWN IN THE PLANS. FILL PILOT HOLES WITH CLASS AA CONCRETE.

BACKFILL:

GRANULAR BACKFILL WILL BE USED AS SPECIFIED IN THE PLANS FOR BACKFILLING BEHIND THE SOLDIER PILE WALL. CARE SHALL BE TAKEN BY THE CONTRACTOR DURING PLACEMENT TO NOT DAMAGE ANY PART OF THE SOLDIER PILE WALL INCLUDING THE CONCRETE LAGGING. HEAVY EQUIPMENT SHALL NOT BE USED IN THE PLACEMENT OF THE BACKFILL NEAR THE WALL. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH HIS CONSTRUCTION PLAN FOR APPROVAL OF EQUIPMENT USED.

PAYMENT:

THE PAYMENT FOR THE PILOT HOLES USED FOR THE SOLDIER PILE WALL, THE CLASS AA CONCRETE FOR FILLING THE PILOT HOLES, AND ALL OTHER COSTS ASSOCIATED WITH THE PILOT HOLES SHALL BE PAID FOR IN THE UNIT PRICE BID PER LINEAR FOOT OF "(PL) PILOT HOLES" ACCORDING TO 514.05(E) OF THE ODOT STANDARD SPECIFICATIONS.

THE PAYMENT FOR THE ROLLED W-SECTION PILES USED IN THE SOLDIER PILE WALL, THE PLACEMENT OF, AND ALL OTHER COSTS ASSOCIATED SHALL BE PAID FOR IN THE UNIT PRICE BID PER POUND OF "STRUCTURAL STEEL". THE STRUCTURAL STEEL BEING PAID FOR CONSISTS OF STEEL FURNISHED AND THE PLACEMENT OF IT IN THE VERTICAL PLUMB LOCATION SHOWN IN THE PLANS.

THE BACKFILL SHOWN IN THE PLANS SHALL BE PAID FOR IN THE UNIT PRICE BID PER SQUARE YARD OF "RETAINING WALL, SOLDIER PILE, COMPLETE, IN PLACE."

THE PAYMENT FOR THE 6" PERFORATED PIPE UNDERDRAIN, MATERIALS, LABOR, EQUIPMENT, AND ALL OTHER COSTS ASSOCIATED WITH PLACEMENT OF THE UNDERDRAIN SHALL BE PAID FOR IN THE UNIT PRICE BID PER SQUARE YARD OF "RETAINING WALL, SOLDIER PILE, COMPLETE, IN PLACE."

THE PAYMENT FOR THE PRECAST LAGGING, CONNECTIONS, CONCRETE SURFACES FORM LINES, COPING, LEVELING PAD, AND ALL OTHER INCIDENTALS REQUIRED TO CONSTRUCT AND DESIGN THE SOLDIER PILE WALL THAT ARE NOT SPECIFIED HERE IN THE PLANS SHALL BE PAID FOR IN THE UNIT PRICE BID PER SQUARE YARD OF "RETAINING WALL, SOLDIER PILE, COMPLETE, IN PLACE." THE RETAINING WALL QUANTITY IS BASED ON THE SURFACE AREA SHOWN IN THE PLANS FROM THE TOP OF THE WALL TO THE TOP OF THE LEVELING PAD. NO ADDITIONAL PAYMENTS WILL BE ALLOWED FOR VARYING OF THE LEVELING PAD ELEVATION.

BEFORE YOU DIG OKIE 811 CALL OKIE

LICENSED ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

RETAINING WALL NOTES (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	4/2023	APPROVED:
DESIGNED			
SURVEY			
PROJ. MGR.		6/25	
LEAD ENGR.		6/25	
FIELD MGR.		6/25	
RECOMMENDED:			
DESIGN MANAGER		7.1.25	CITY ENGINEER

FILE: H:\21-1009 DRAWING 21-1009 Wall Notes
ATLAS PAGE NO:
DATE: 7/3/2025
SHEET S3 OF 268 SHEETS

I:\21-1009 25th Widening\Plan Sheets\BridgeShts\21-1009 Wall Notes.dgn
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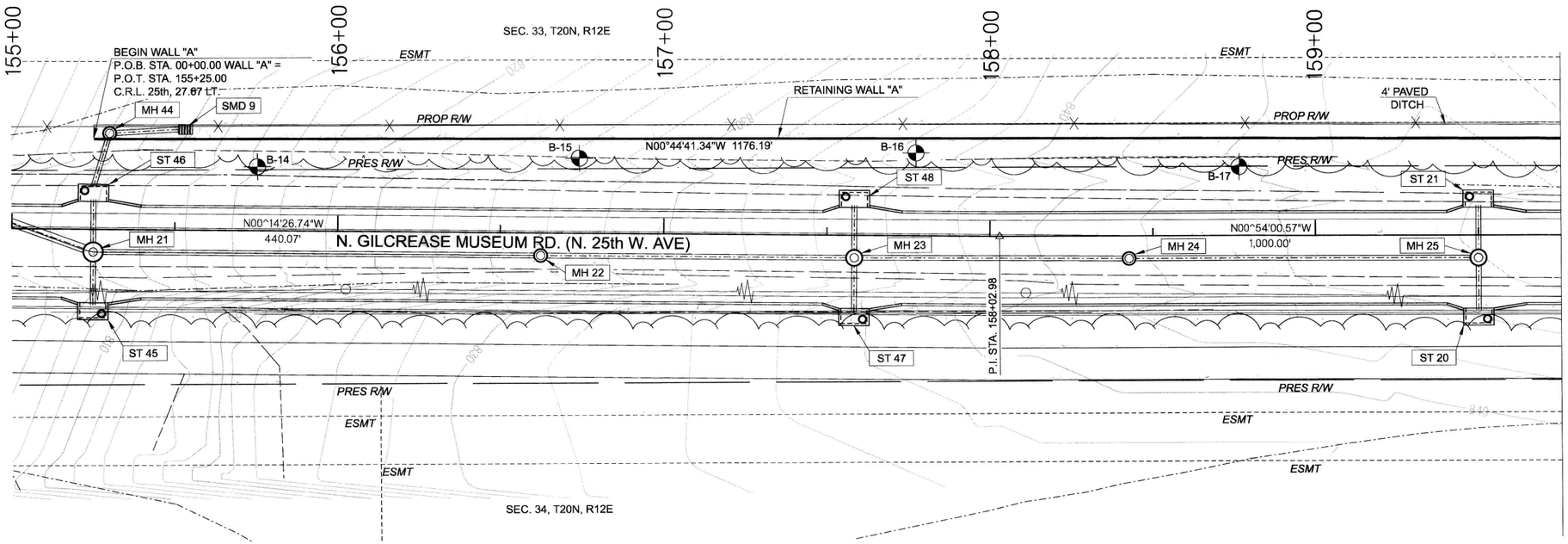

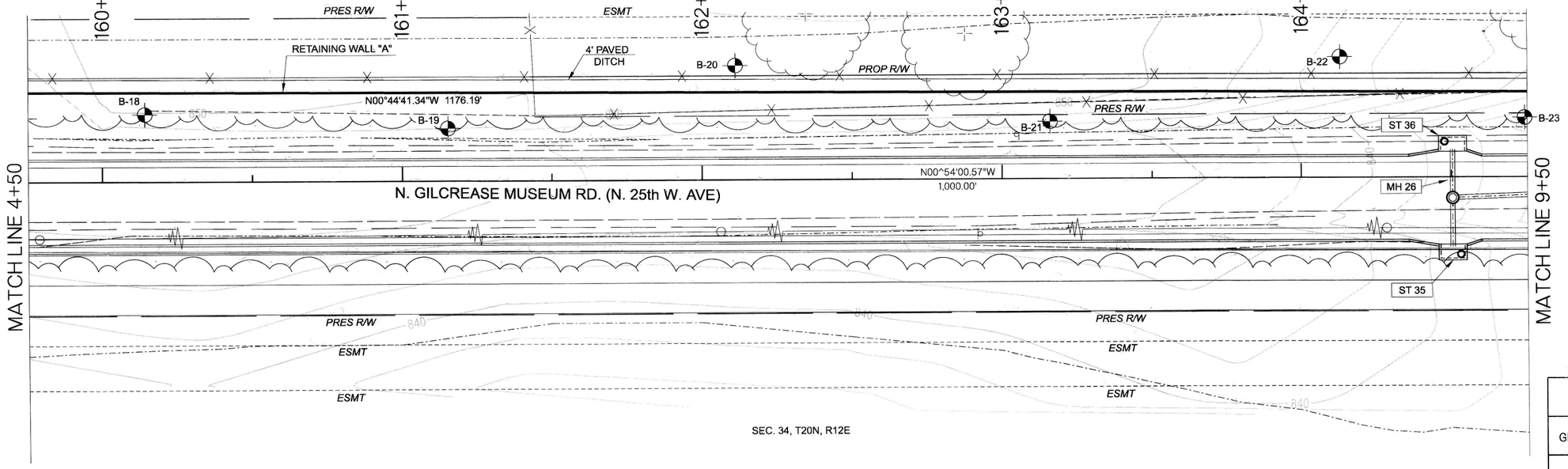

20' 0 20' 40'
Horizontal Scale in Feet

CONTROL:

CP# 26 CP IRON PIN
158+84.56 25.60' RT
N=431984.406 E=2552957.542
ELEV.=842.846

CP# 1484 CP 60d NAIL
156+06.78 28.27' RT
N=431706.351 E=2552962.317
ELEV.=824.813

CP# 1485 CP IP,YELLOW CAP
156+63.03 31.08' RT
N=431762.61 E=2552964.896
ELEV.=830.615

BEFORE YOU DIG 811 CALL OKIE

PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

WALL "A" PLAN (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE	2025	APPROVED:
	DESIGNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	TMD	6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.	SH	6/25	
	FIELD MGR.	DAW	6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER	HAS 7-25		CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET S4 OF 268 SHEETS

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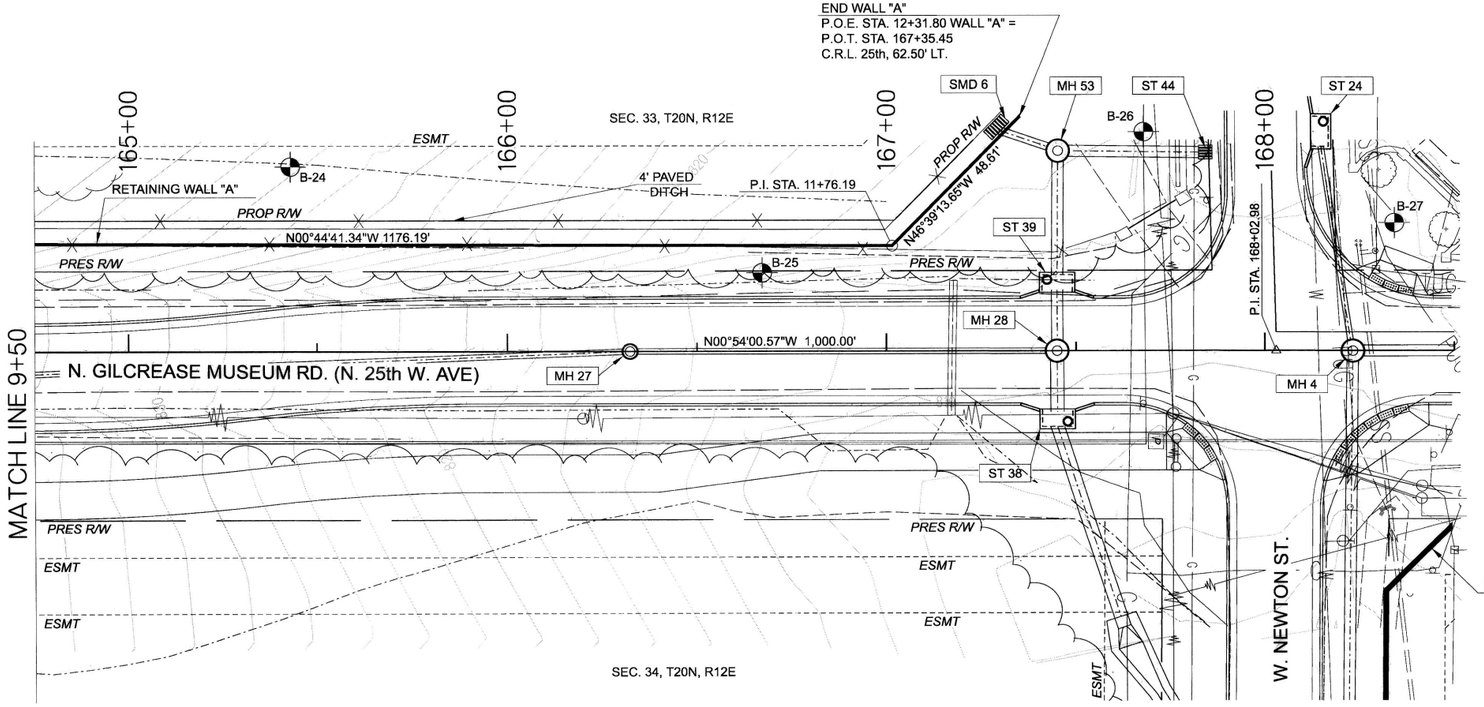

CONTROL:

CP# 2577 CP IRON PIN
164+08.44 24.38' RT
N=432508.204 E=2552948.096
ELEV.=844.057

WALL "A" QUANTITIES

ITEM	UNIT	TOTAL
STRUCTURAL STEEL	LB	828,020
CLASS C CONCRETE	CY	81
RETAINING WALL, SOLDIER PILE, COMPLETE, IN PLACE	SY	2,166
GRAFFITI TREATMENT	SF	16,564
(PL)PILOT HOLES	LF	1,829
ORNAMENTAL 72" AMERISTAR FENCE	LF	607
FENCE-STYLE CLF (6' HIGH, VINYL COATED)	LF	618

BEFORE YOU DIG OKIE 811 CALL OKIE

PROFESSIONAL ENGINEER SAMANTHA J. HEINRICH 32024 OKLAHOMA

WALL "A" PLAN (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 2025
DESIGNED
SURVEY
PROJ. MGR. 6/6/25
LEAD ENGR. 6/6/25
FIELD MGR. 6/6/25
RECOMMENDED: HAS 7.2.25
DESIGN MANAGER

APPROVED:
CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S5 OF 288 SHEETS

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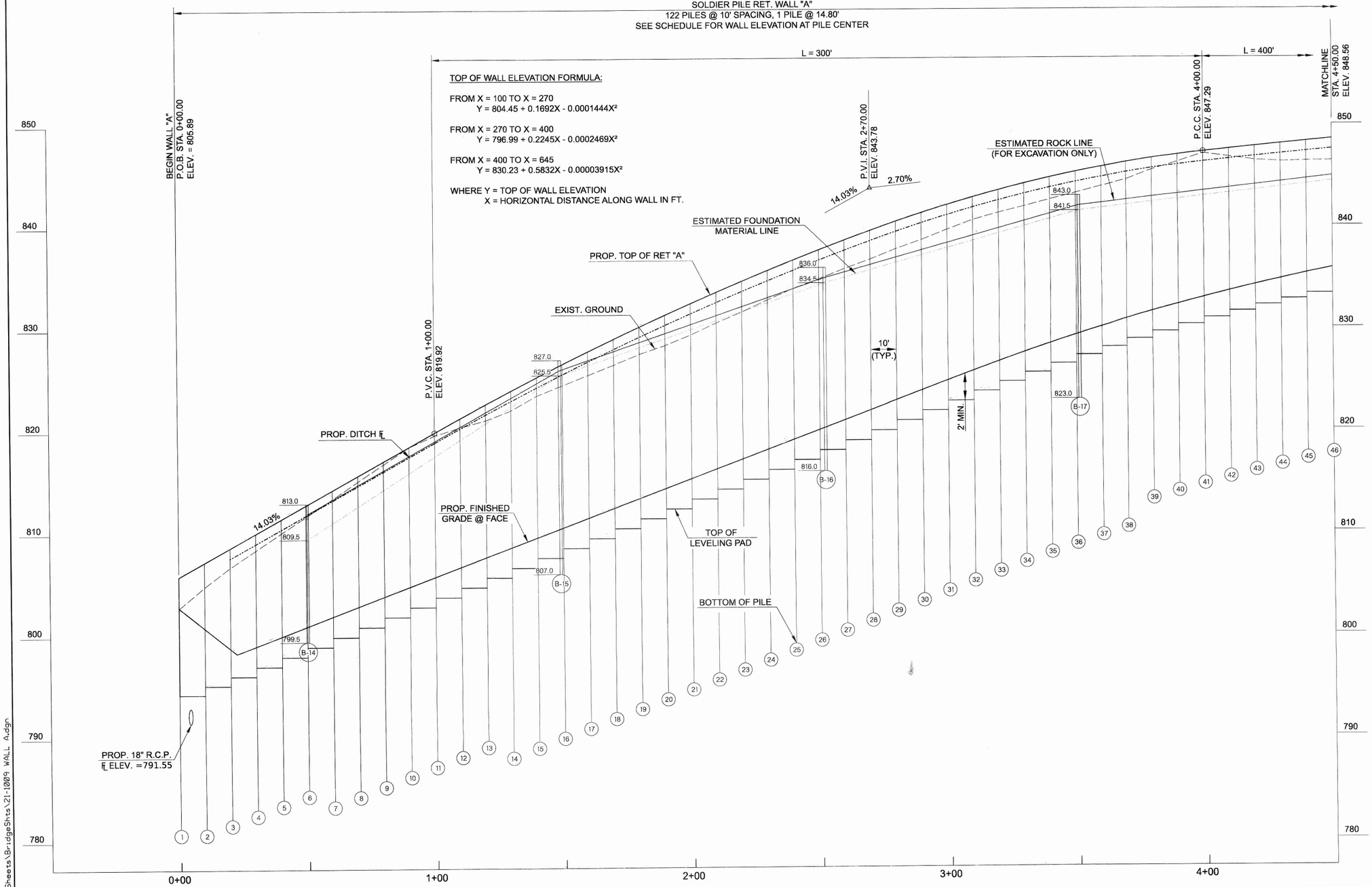

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BEFORE YOU DIG 811 OKIE CALL OKIE

SAMANTHA HEINRICH 32024 PROFESSIONAL ENGINEER OKLAHOMA

WALL "A" ELEVATION (1)

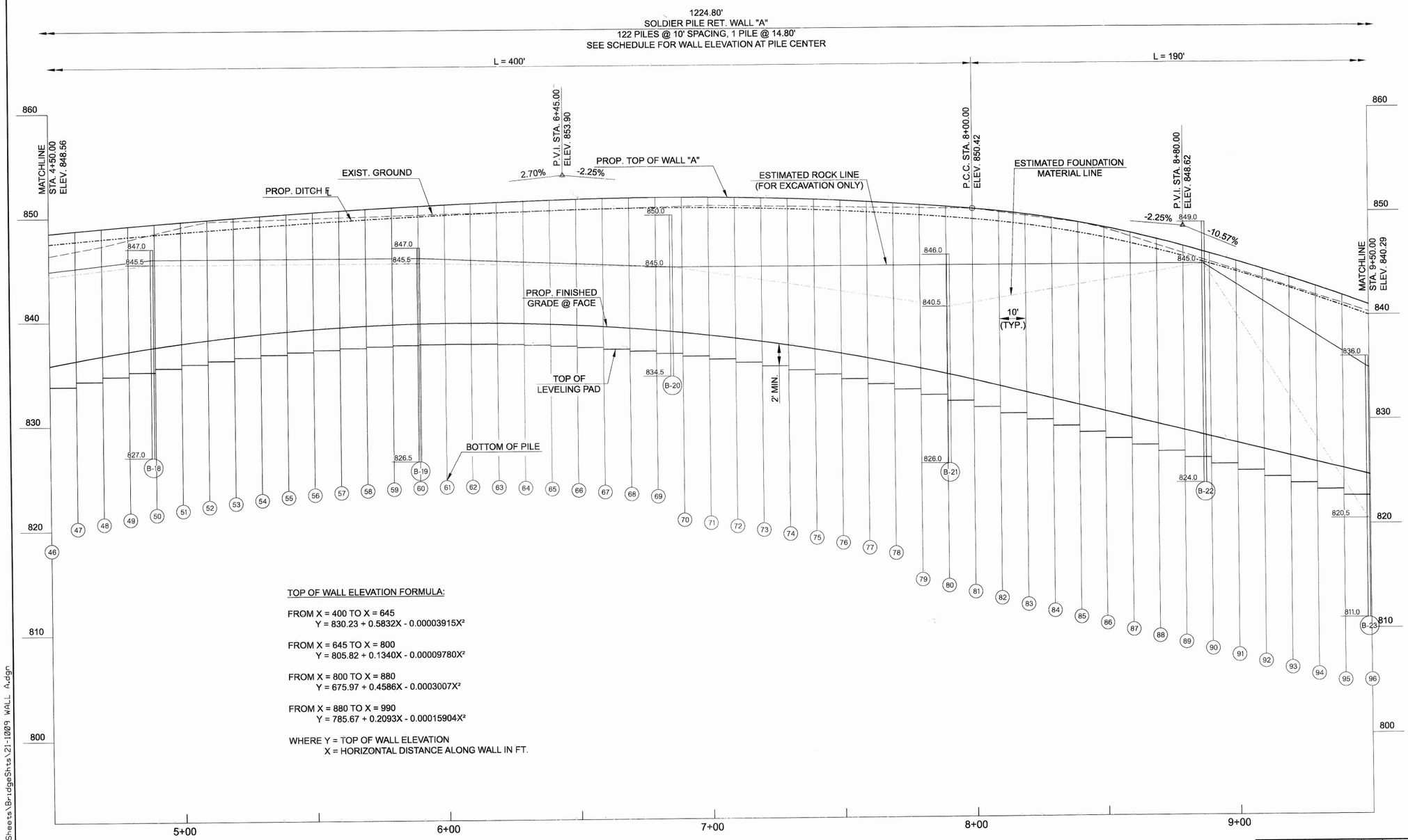
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	DS 2025	APPROVED:
	DESIGNED		
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.	6/25	
	FIELD MGR.	6/25	
VERTICAL 1" = N/A	RECOMMENDED	7-25	
	DESIGN MANAGER		CITY ENGINEER
FILE: H:\21-1009	DRAWING:		DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET S8 OF 268 SHEETS



TOP OF WALL ELEVATION FORMULA:

FROM X = 400 TO X = 645
$Y = 830.23 + 0.5832X - 0.00003915X^2$

FROM X = 645 TO X = 800
$Y = 805.82 + 0.1340X - 0.00009780X^2$

FROM X = 800 TO X = 880
$Y = 675.97 + 0.4586X - 0.0003007X^2$

FROM X = 880 TO X = 990
$Y = 785.67 + 0.2093X - 0.00015904X^2$

WHERE Y = TOP OF WALL ELEVATION
X = HORIZONTAL DISTANCE ALONG WALL IN FT.

WALL "A" ELEVATION (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A
PROFILE SCALE:

DRAWN	EOE	7/2025
DESIGNED		
SURVEY		
PROJ. MGR.	TMO	6/25
LEAD ENGR.	DH	6/25
FIELD MGR.	BWM	6/25
RECOMMENDED: DESIGN MANAGER	HAS	7-25

APPROVED: CITY ENGINEER
DATE: 7/3/2025
SHEET S7 OF 268 SHEETS

FILE: H:\21-1009 DRAWING:
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

SAMANTHA HEINRICH 32024 PROFESSIONAL ENGINEER OKLAHOMA

BEFORE YOU DIG 811 CALL OKIE

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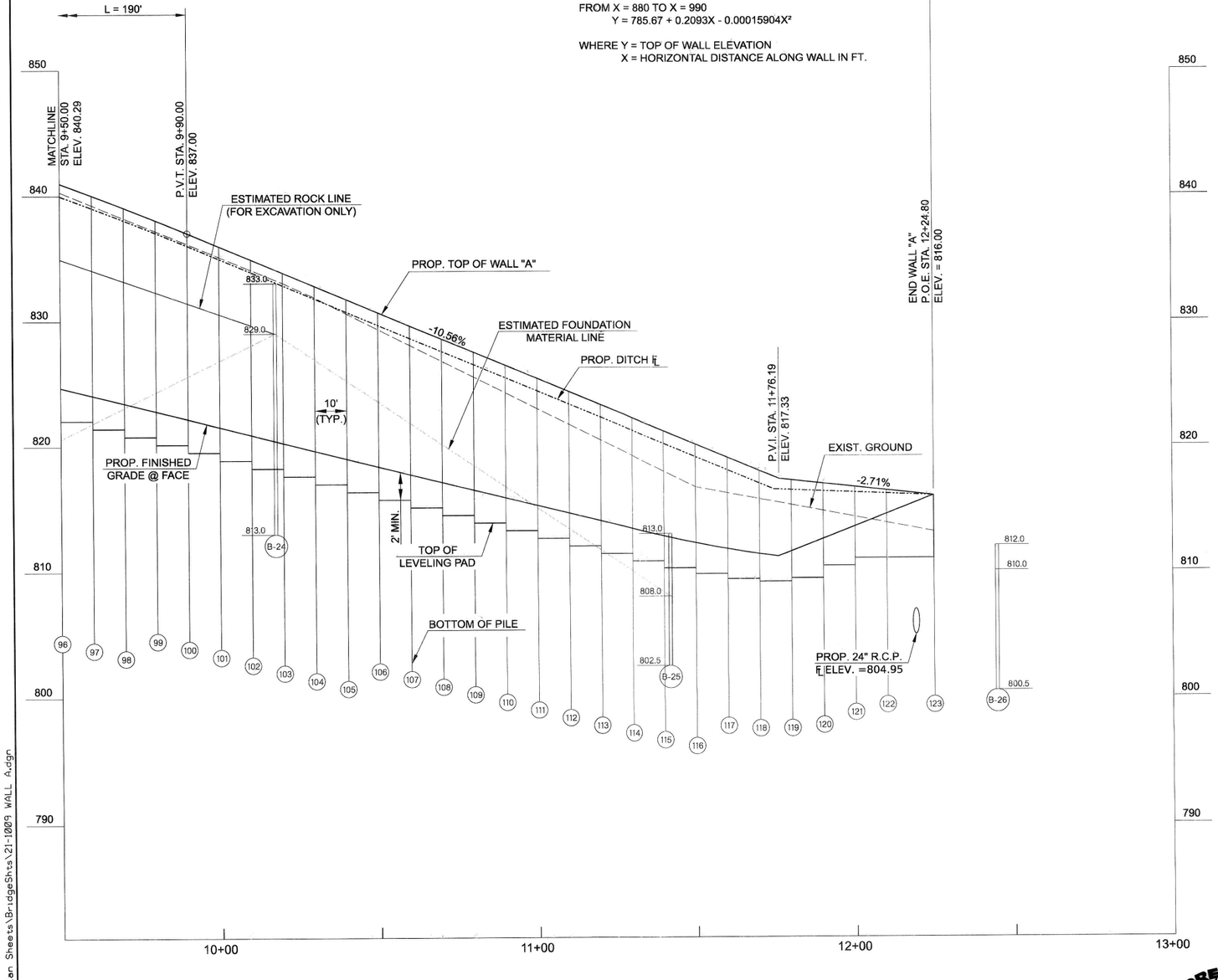
I:\21-1009 25th Widening\Plan Sheets\BridgeShts\21-1009 WALL A.dgn

1224.80'
SOLDIER PILE RET. WALL "A"
122 PILES @ 10' SPACING, 1 PILE @ 14.80'
SEE SCHEDULE FOR WALL ELEVATION AT PILE CENTER

TOP OF WALL ELEVATION FORMULA:

FROM X = 880 TO X = 990
Y = 785.67 + 0.2093X - 0.00015904X²

WHERE Y = TOP OF WALL ELEVATION
X = HORIZONTAL DISTANCE ALONG WALL IN FT.



WALL "A" ELEVATION (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN: POE 2025
DESIGNED:
SURVEY:
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED: 7-3-25
DESIGN MANAGER

APPROVED:
CITY ENGINEER
DATE: 7/3/2025

FILE: H:\21-1009 DRAWING:
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

SHEET S8 OF 268 SHEETS

BEFORE YOU DIG 811 CALL OKIE

PROFESSIONAL ENGINEER
SAMANTHA HEINRICH
32024
OKLAHOMA

6/17/2025 6:24:46 PM
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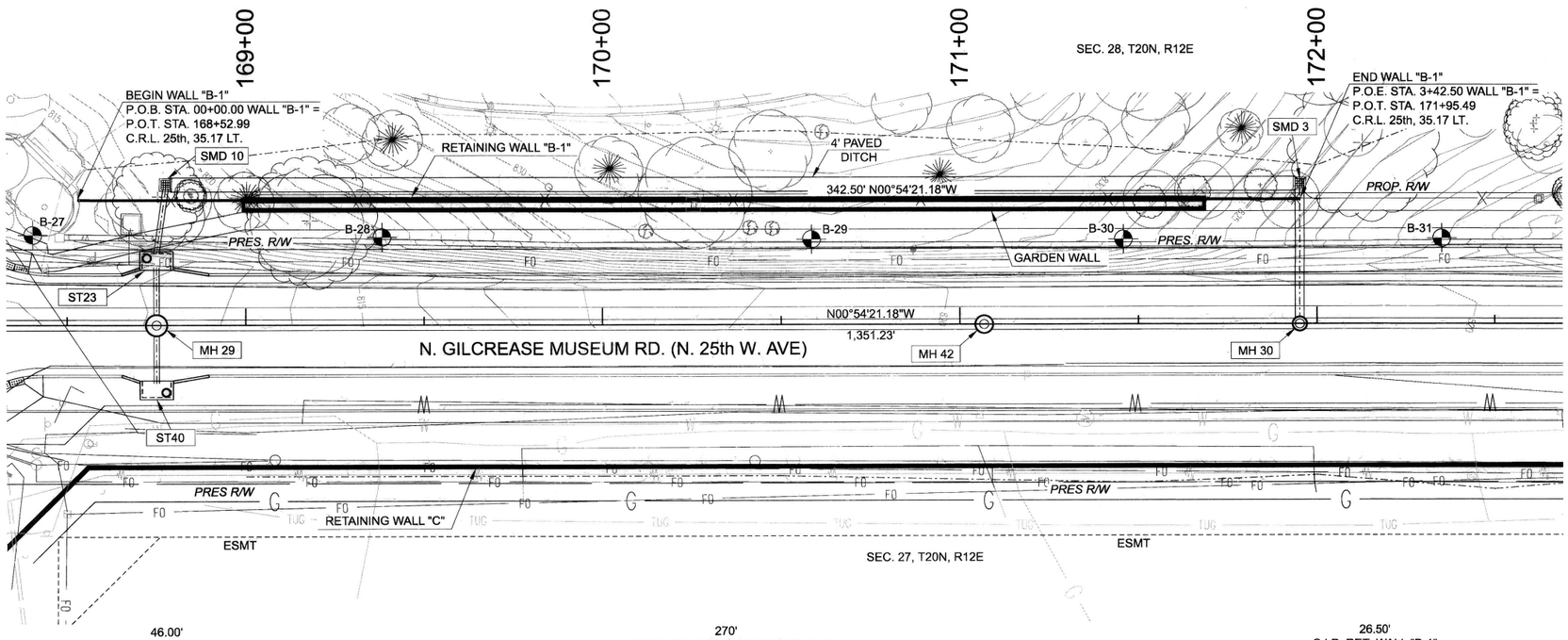
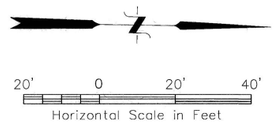
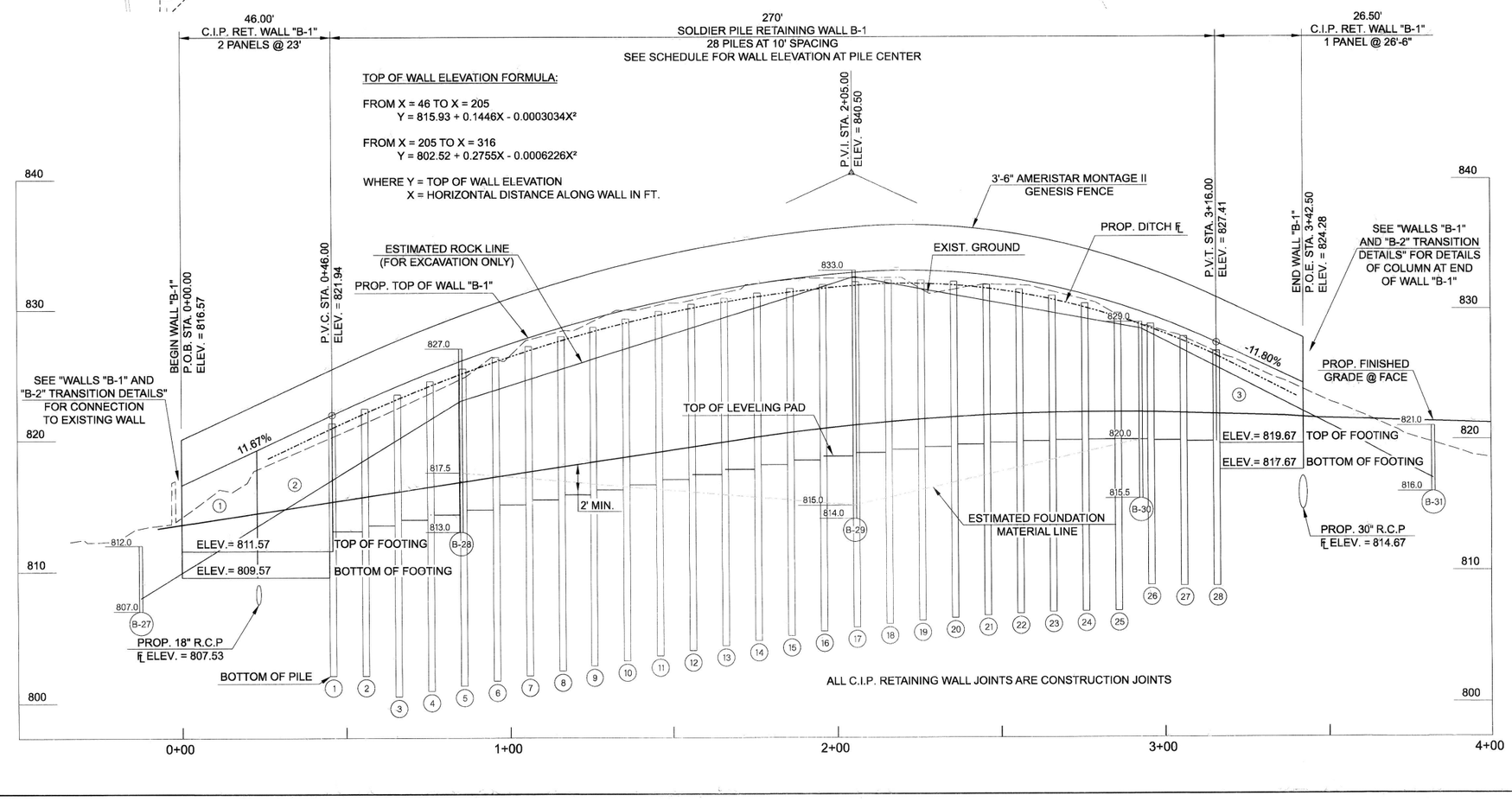




WALL "B-1" QUANTITIES

ITEM	UNIT	TOTAL
STRUCTURAL STEEL	LB	151,490
CLASS C CONCRETE	CY	23
RETAINING WALL, SOLDIER PILE, COMPLETE, IN PLACE	SY	369
RETAINING WALL, C.I.P., COMPLETE, IN PLACE	SY	58
GRAFFITI TREATMENT	SF	2,045
(PL)PILOT HOLES	LF	356
ORNAMENTAL 42" AMERISTAR FENCE	LF	343



CONTROL:

CP# 2578 CP IRON PIN
171+29.22 21.57' RT
N=433228.849 E=2552933.928
ELEV.=821.213

CP# 2577 CP IRON PIN
164+08.44 24.38' RT
N=432508.204 E=2552948.096
ELEV.=844.057

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

WALL "B-1" PLAN & ELEVATION

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	2025
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED: DESIGN MANAGER	HAS	7-25

APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
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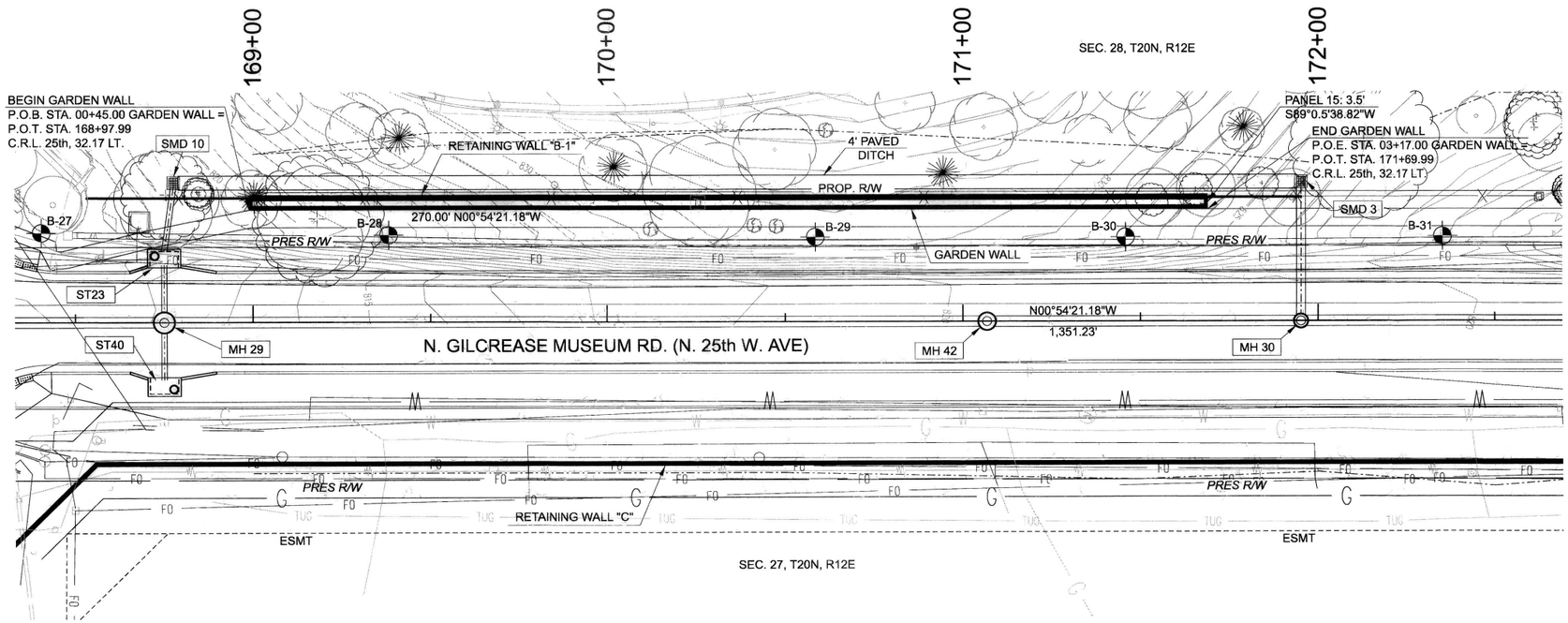
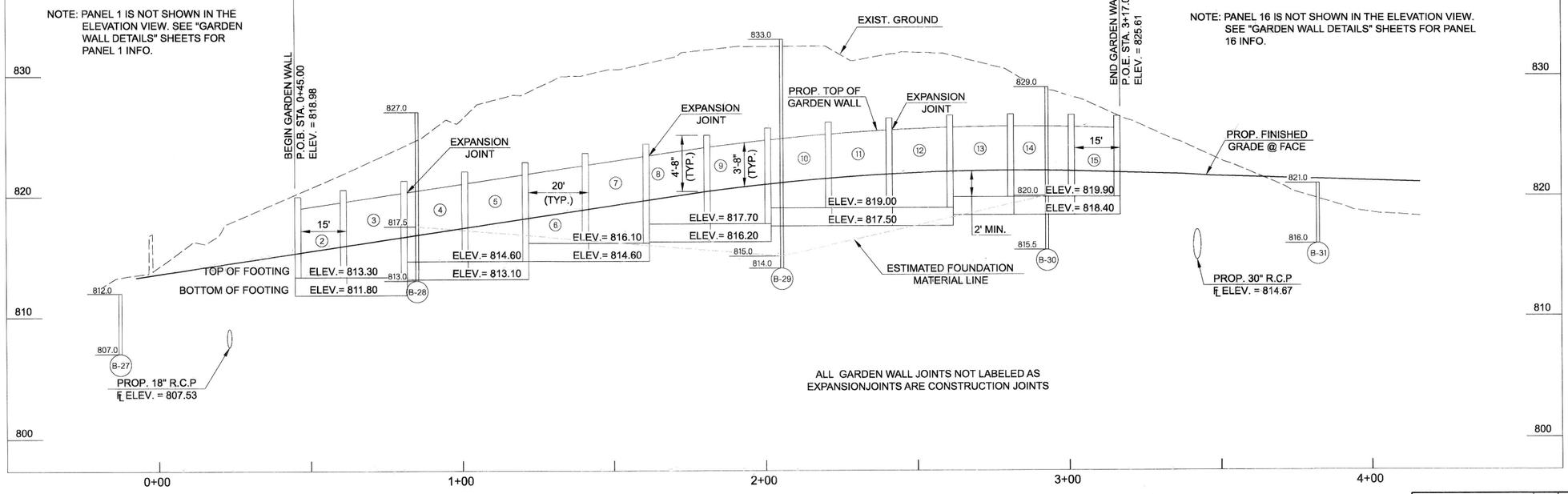


20' 0 20' 40'
Horizontal Scale in Feet

GARDEN WALL QUANTITIES		
ITEM	UNIT	TOTAL
RETAINING WALL, C.I.P., COMPLETE, IN PLACE	SY	195
GRAFFITI TREATMENT	SF	1,125



ALL GARDEN WALL JOINTS NOT LABELED AS EXPANSIONJOINTS ARE CONSTRUCTION JOINTS

CONTROL:

CP# 2578 CP IRON PIN
171+29.22 21.57' RT
N=433228.849 E=2552933.928
ELEV.=821.213

CP# 2577 CP IRON PIN
164+08.44 24.38' RT
N=432508.204 E=2552948.096
ELEV.=844.057

BEFORE YOU DIG OKIE 811 CALL OKIE

SAMANTHA HEINRICH 32024 PROFESSIONAL ENGINEER OKLAHOMA

GARDEN WALL PLAN & ELEVATION

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 2025
DESIGNED
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED: HAS 7-25
DESIGN MANAGER

APPROVED:
CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
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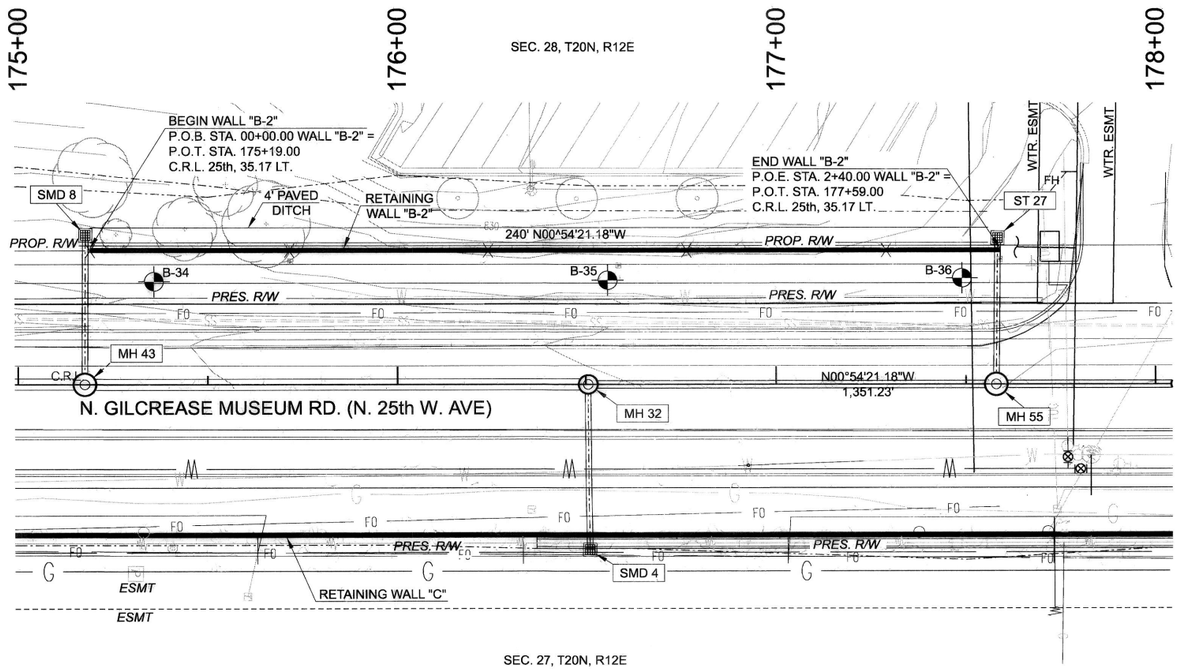
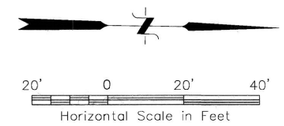


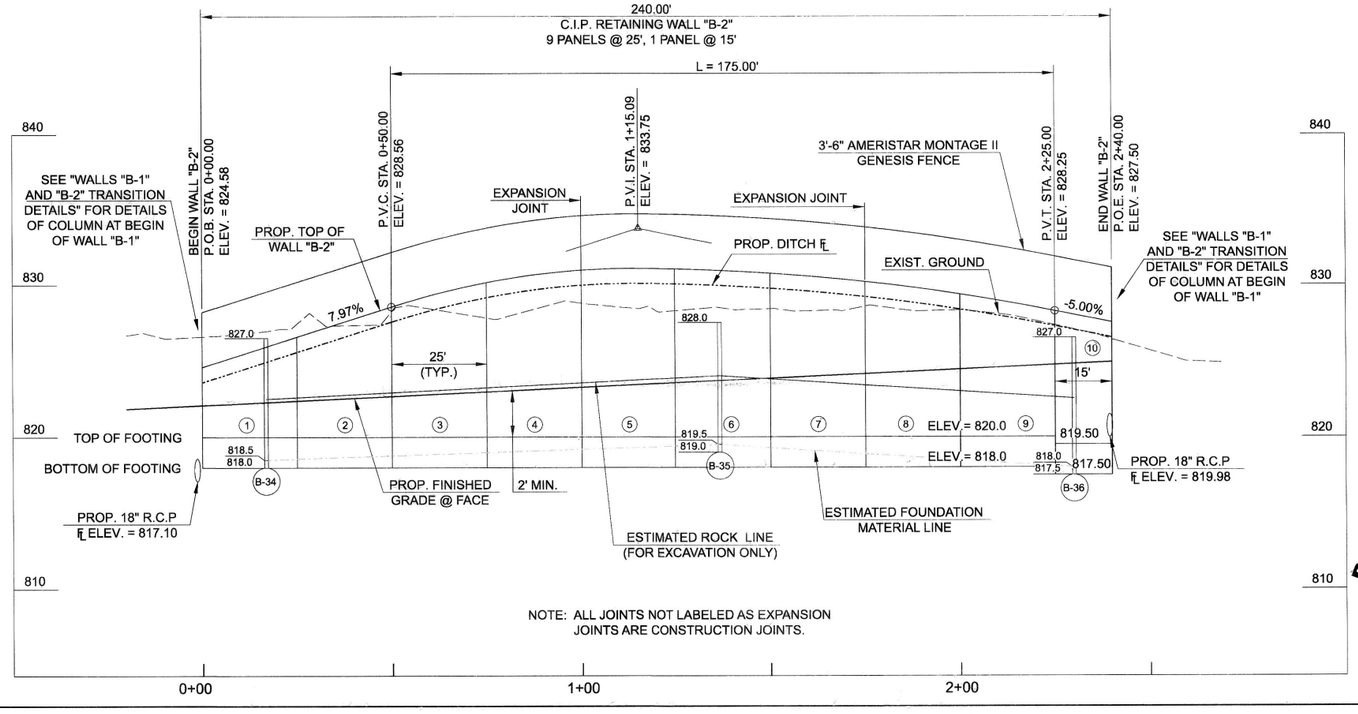


TOP OF WALL ELEVATION FORMULA:

FROM X = 50 TO X = 115.09
$Y = 823.01 + 0.1423X - 0.0006257X^2$

FROM X = 115.09 TO X = 225
$Y = 828.39 + 0.04878X - 0.0002195X^2$

WHERE Y = TOP OF WALL ELEVATION
X = HORIZONTAL DISTANCE ALONG WALL IN FT.



NOTE: ALL JOINTS NOT LABELED AS EXPANSION JOINTS ARE CONSTRUCTION JOINTS.

WALL "B-2" QUANTITIES		
ITEM	UNIT	TOTAL
CLASS C CONCRETE	CY	13
RETAINING WALL, C.I.P., COMPLETE, IN PLACE	SY	248
GRAFFITI TREATMENT	SF	1,388
ORNAMENTAL 42" AMERISTAR FENCE	LF	240

CONTROL:

CP# 2578 CP IRON PIN
171+29.22 21.57' RT
N=433228.849 E=2552933.928
ELEV.=821.213

CP# 25 CP "X"
178+15.77 45.78' LT
N=433914.25 E=2552855.731
ELEV.=826.544

BEFORE YOU DIG OKIE 811 CALL OKIE

SAMANTHA FINRICH 32024 PROFESSIONAL ENGINEER OKLAHOMA

WALL "B-2" PLAN & ELEVATION

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: HORIZONTAL: 1" = N/A VERTICAL 1" = N/A

DRAWN	POE	2025
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED: DESIGN MANAGER		7-25

APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
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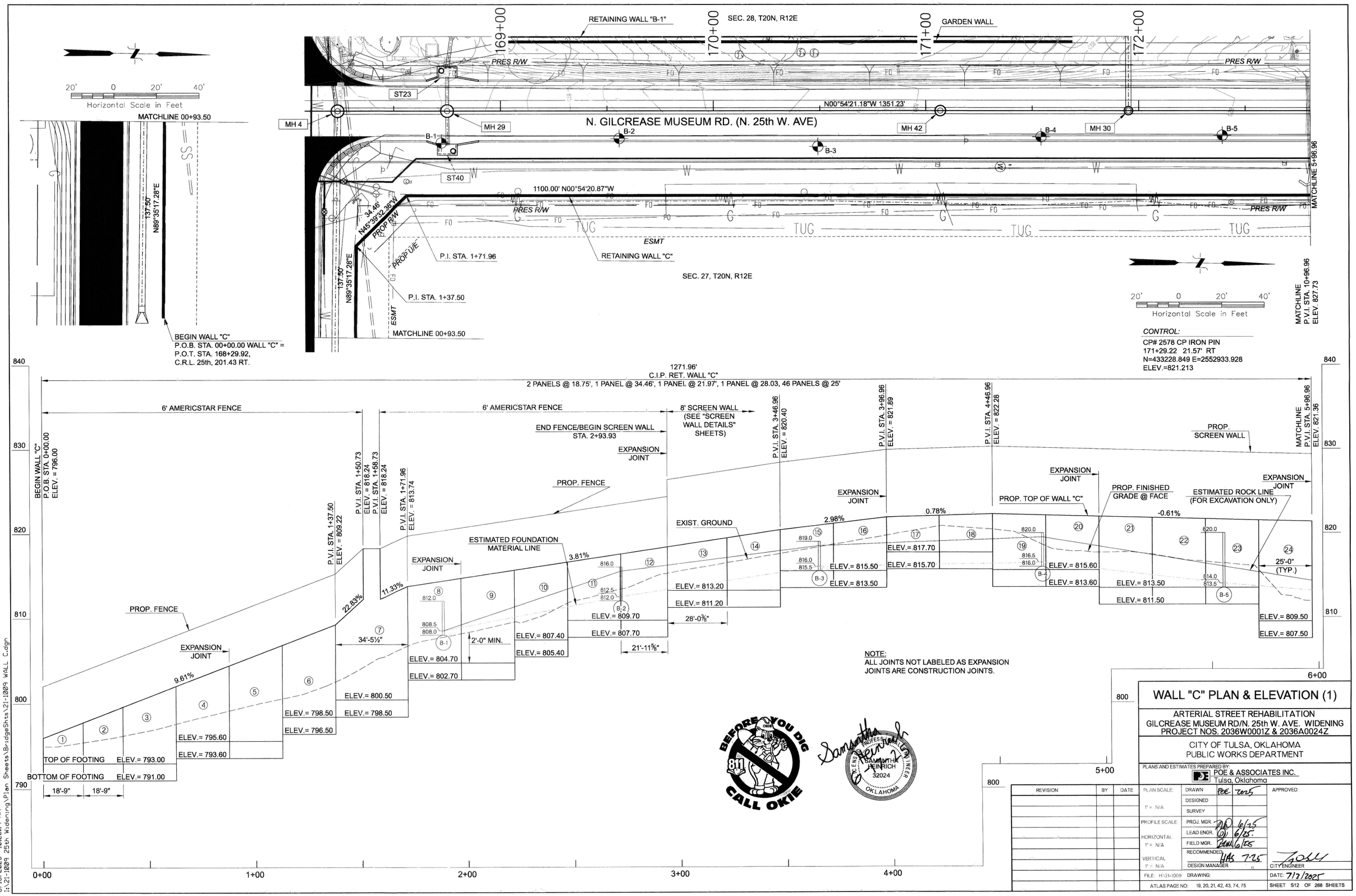


NOTE:
ALL JOINTS NOT LABELED AS EXPANSION JOINTS ARE CONSTRUCTION JOINTS.

WALL "C" PLAN & ELEVATION (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 7-25
DESIGNED
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED: HAS 7-25
DESIGN MANAGER

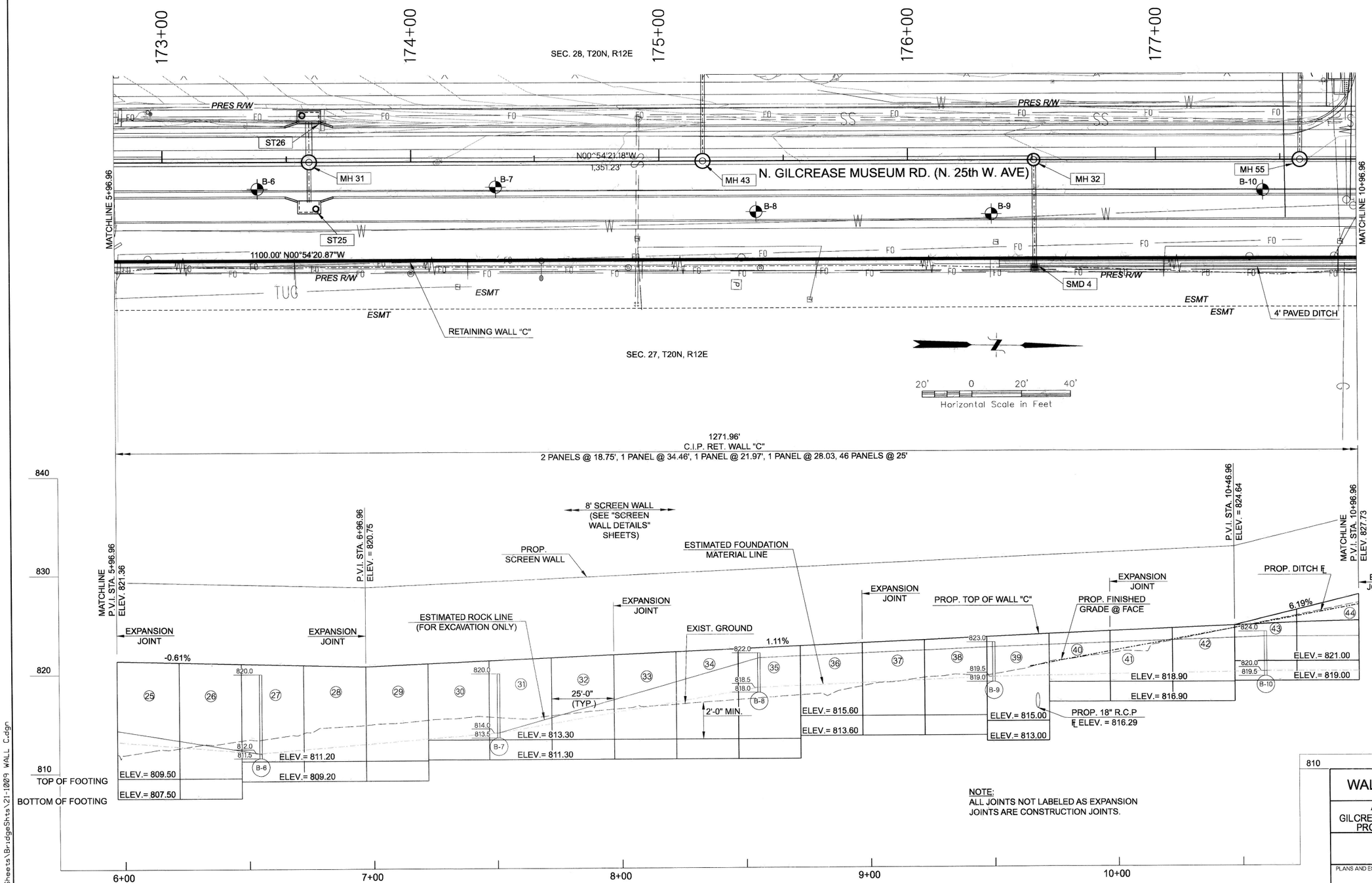
APPROVED:
CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/7/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S12 OF 268 SHEETS

SAMANTHA HEINRICH 32024 PROFESSIONAL ENGINEER OKLAHOMA

BEFORE YOU DIG 811 CALL OKIE

6/16/2025 10:20:19 AM
I:\21-1009 25th Widening\Plan Sheets\BridgeShts\21-1009 WALL C.dgn



NOTE:
ALL JOINTS NOT LABELED AS EXPANSION JOINTS ARE CONSTRUCTION JOINTS.

WALL "C" PLAN & ELEVATION (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: HORIZONTAL: 1" = N/A VERTICAL 1" = N/A

DRAWN	POE	2025
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED DESIGN MANAGER	HMS	7-25

APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S13 OF 268 SHEETS

BEFORE YOU DIG OKIE 811 CALL OKIE

SAMANTHA HEINRICH 32024 PROFESSIONAL ENGINEER OKLAHOMA

6/16/2025 10:22:31 AM
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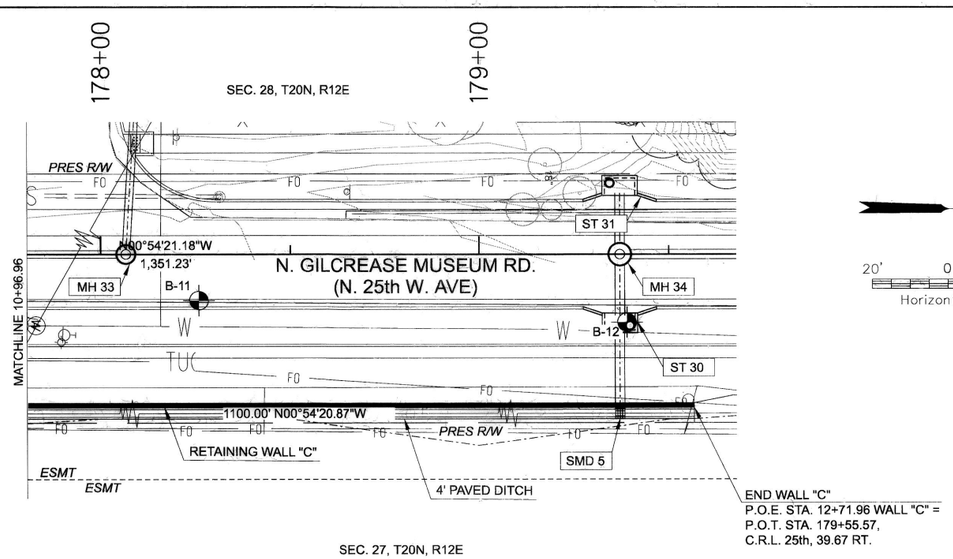

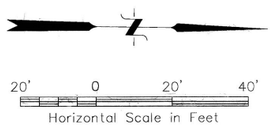

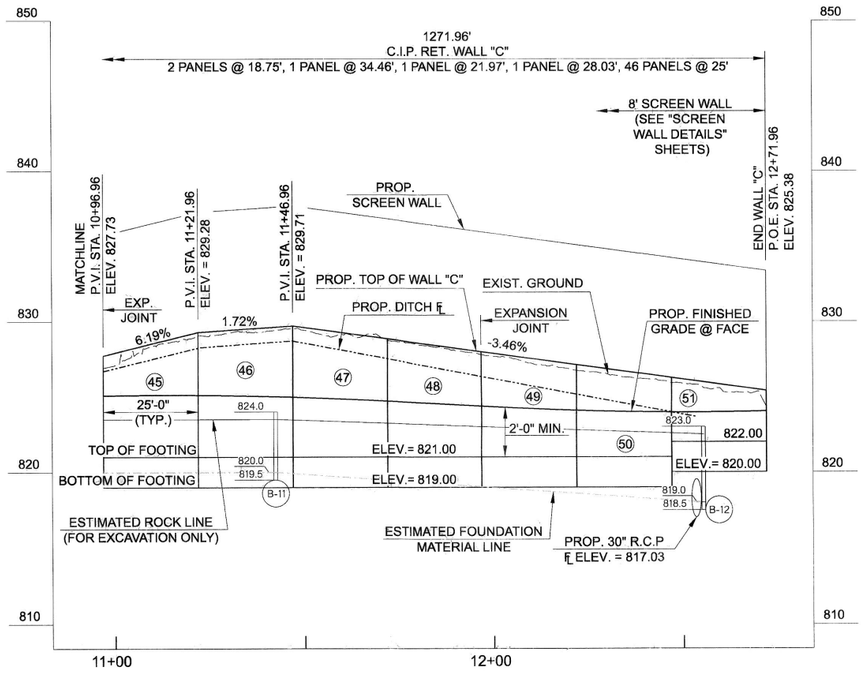

NOTE:
ALL JOINTS NOT LABELED AS EXPANSION JOINTS ARE CONSTRUCTION JOINTS.

CONTROL:

CP#2579 CP IRON PIN
179+52.06 14.67' LT
N=434051.016 E=2552884.685
ELEV.=821.441

CP# 160 60d NAIL
180+69.20 11.08' LT
N=434168.193 E=2552886.423
ELEV.=823.906

WALL "C" QUANTITIES

ITEM	UNIT	TOTAL
CLASS C CONCRETE	CY	18
RETAINING WALL, C.I.P., COMPLETE, IN PLACE	SY	1,101
GRAFFITI TREATMENT	SF	5,637
DECORATIVE WALL	LF	978
ORNAMENTAL 72" AMERISTAR FENCE	LF	286

WALL "C" PLAN & ELEVATION (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	2025	APPROVED:
DESIGNED			
SURVEY			
PROJ. MGR.		6/25	
LEAD ENGR.		6/25	
FIELD MGR.		6/25	
RECOMMENDED:			
DESIGN MANAGER	HAS	7.25	CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S14 OF 268 SHEETS

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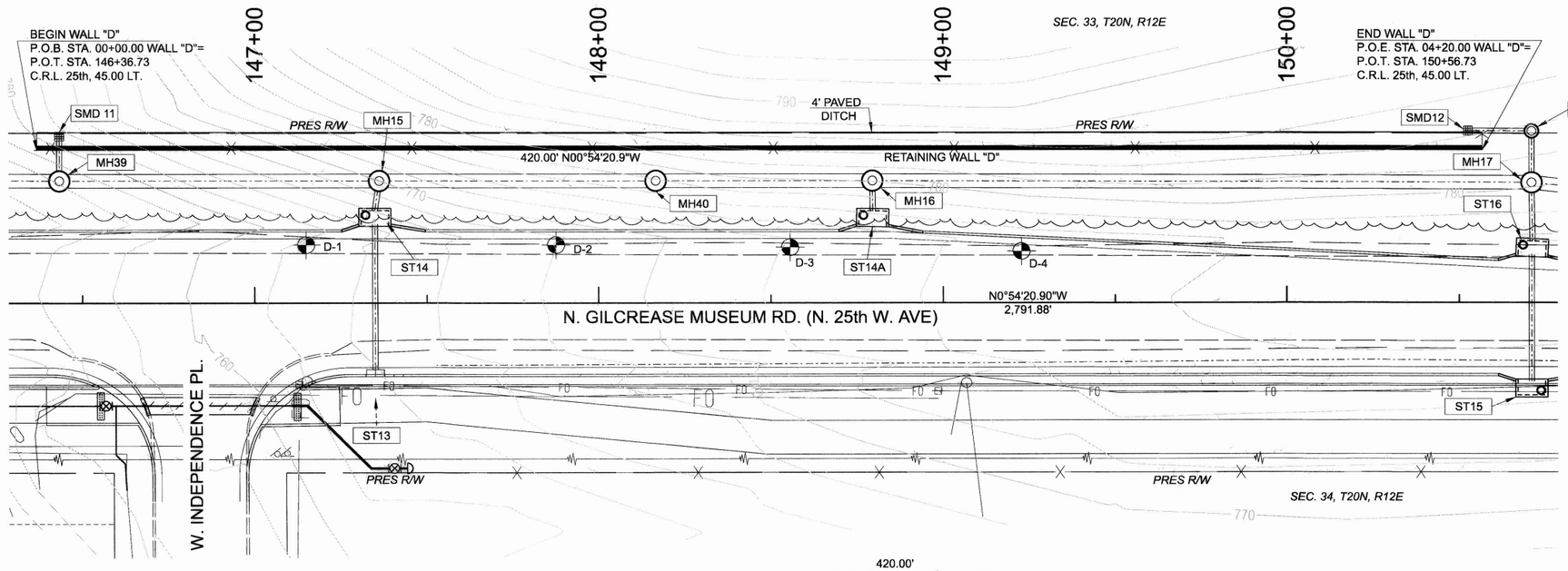
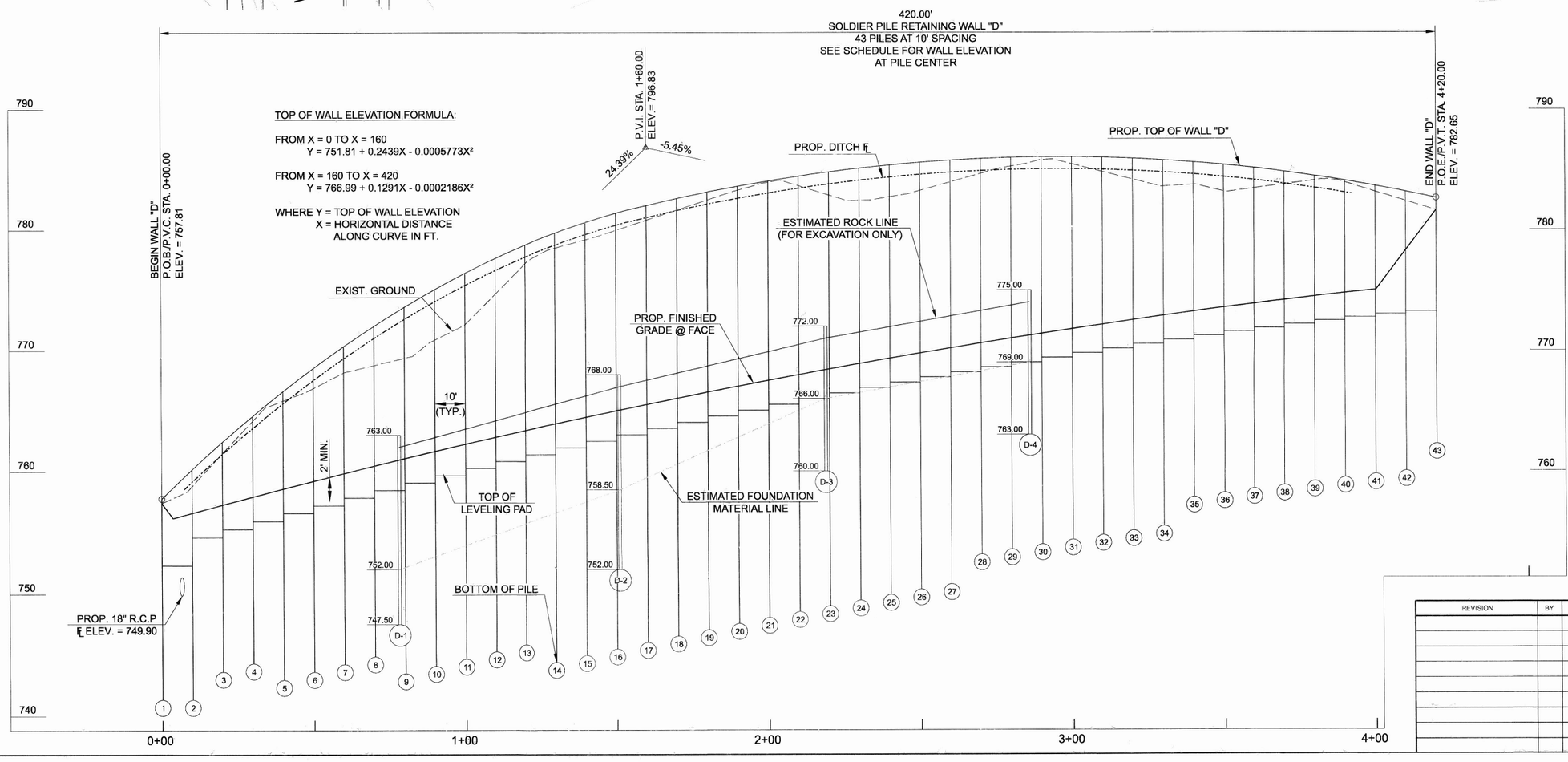


WALL "D" QUANTITIES		
ITEM	UNIT	TOTAL
STRUCTURAL STEEL	LB	277,530
CLASS C CONCRETE	CY	29
RETAINING WALL, SOLDIER PILE, COMPLETE, IN PLACE	SY	705
GRAFFITI TREATMENT	SF	5,325
(PL)PILOT HOLES	LF	629
FENCE-STYLE CLF (6' HIGH, VINYL COATED)	LF	420



CONTROL:

CP# 2576 CP IRON PIN
147+10.68 35.37' RT
N=430810.774 E=2552980.754
ELEV.=760.769

BEFORE YOU DIG OKIE 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

Samantha Henrich 7-3-25

WALL "D" PLAN & ELEVATION

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

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PROFILE SCALE: HORIZONTAL: 1" = N/A VERTICAL 1" = N/A

DRAWN	POE	2025
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED: DESIGN MANAGER	HAS	7-25

APPROVED: CITY ENGINEER

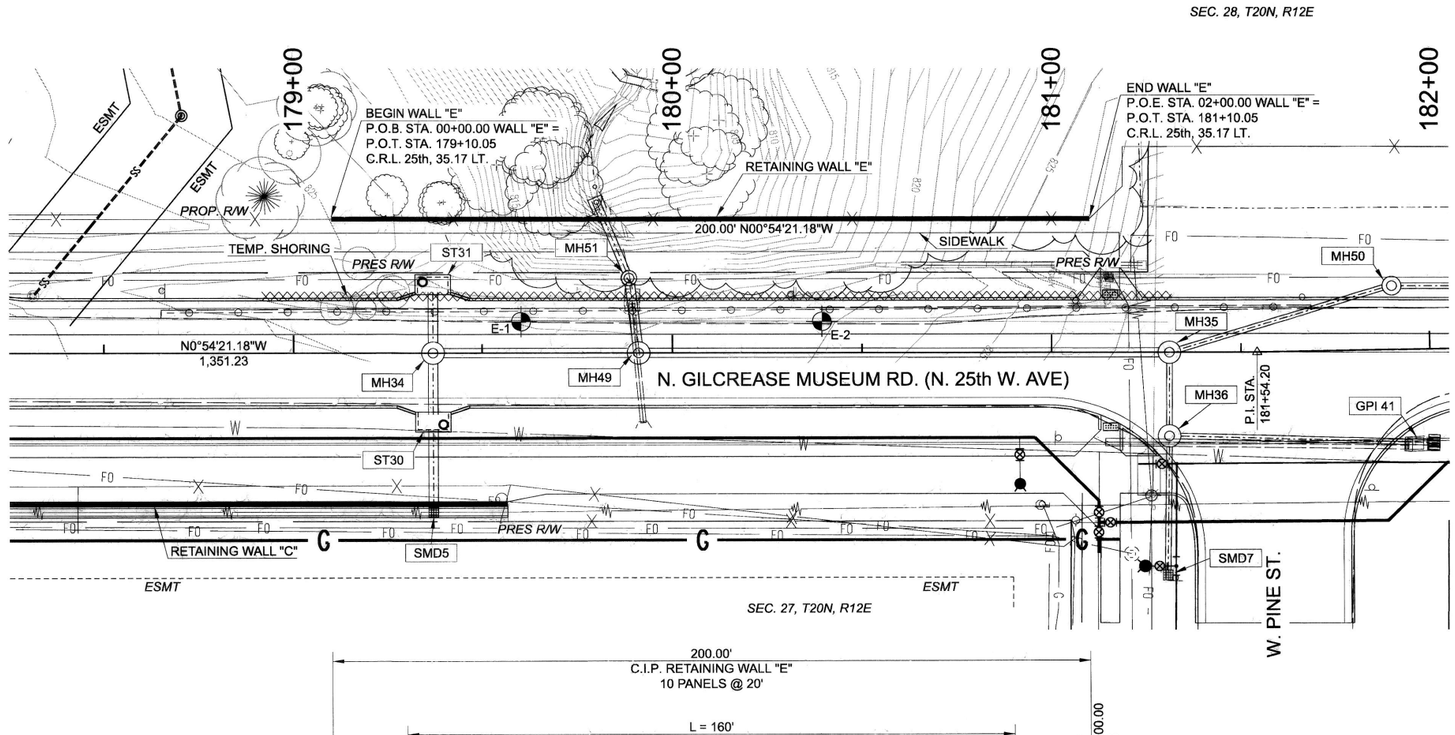
FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S15 OF 268 SHEETS

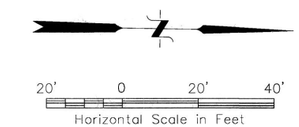
6/17/2025 7:20:22 PM
I:\21-1009 25th Widening\Plan Sheets\BridgeSht\21-1009 WALL D.dgn

NOTE:

NO TREES SHALL BE PLANTED BETWEEN SIDEWALK AND WALL "E".

TREES BETWEEN SIDEWALK AND CURB BEHIND WALL "E" SHALL ONLY BE PERMITTED IF EXPECTED TAP ROOT AND OBLIQUE/HEART ROOT GROWTH WILL NOT EXCEED 8' FROM THE TRUNK OF THE TREE. THE ENGINEER SHALL NOT BE HELD LIABLE FOR FUTURE DAMAGE TO WALL "E" IF THESE LIMITATIONS ARE NOT MET.





NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR GLOBAL STABILITY CALCULATIONS FOR TEMPORARY SHORING.

WALL "E" QUANTITIES

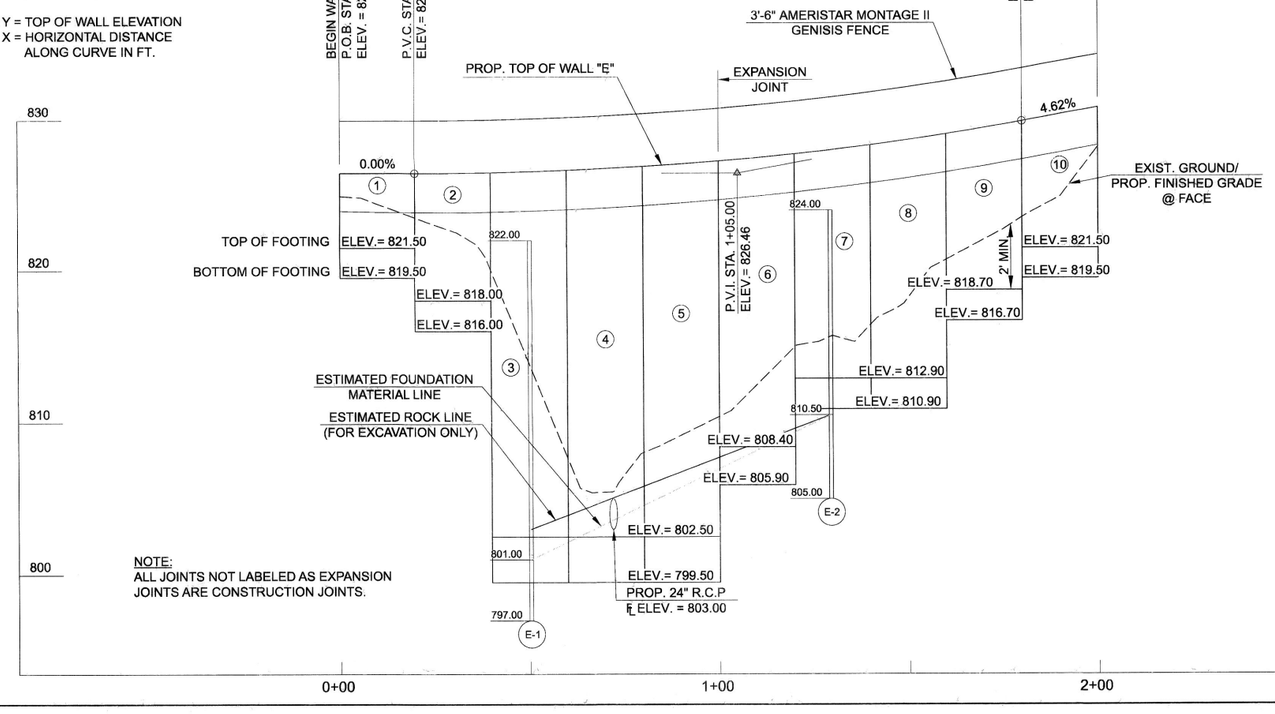
ITEM	UNIT	TOTAL
TEMPORARY EARTH RETAINAGE	LS	1
RETAINING WALL, C.I.P., COMPLETE, IN PLACE	SY	347
GRAFFITI TREATMENT	SF	2,690
ORNAMENTAL 42" AMERISTAR FENCE	LF	200

TOP OF WALL ELEVATION FORMULA:

FROM X = 20 TO X = 105
Y = 826.51 - 0.0051X + 0.0001274X²

FROM X = 105 TO X = 180
Y = 826.91 - 0.013X + 0.0001636X²

WHERE Y = TOP OF WALL ELEVATION
X = HORIZONTAL DISTANCE ALONG CURVE IN FT.



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179+52.06 14.67' RT
N=434051.016 E=2552884.685
ELEV.=821.441

CP# 160 CP 60d NAIL
180+69.20 11.08' LT
N=434168.193 E=2552886.423
ELEV.=823.906

BEFORE YOU DIG 811 CALL OKIE

SAMANTHA HEINRICH 32024 OKLAHOMA PROFESSIONAL ENGINEER

WALL "E" PLAN & ELEVATION

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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Tulsa, Oklahoma

REVISION	BY	DATE

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PROFILE SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 2025
DESIGNED
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED: 7-25
DESIGN MANAGER

APPROVED:
CITY ENGINEER
DATE: 7/3/2025

FILE: H:\21-1009 DRAWING:
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

SHEET S16 OF 268 SHEETS

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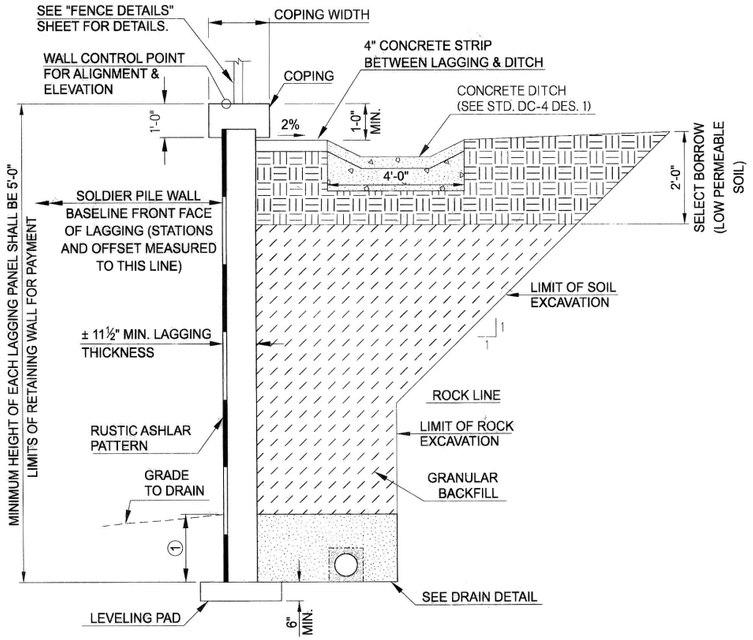
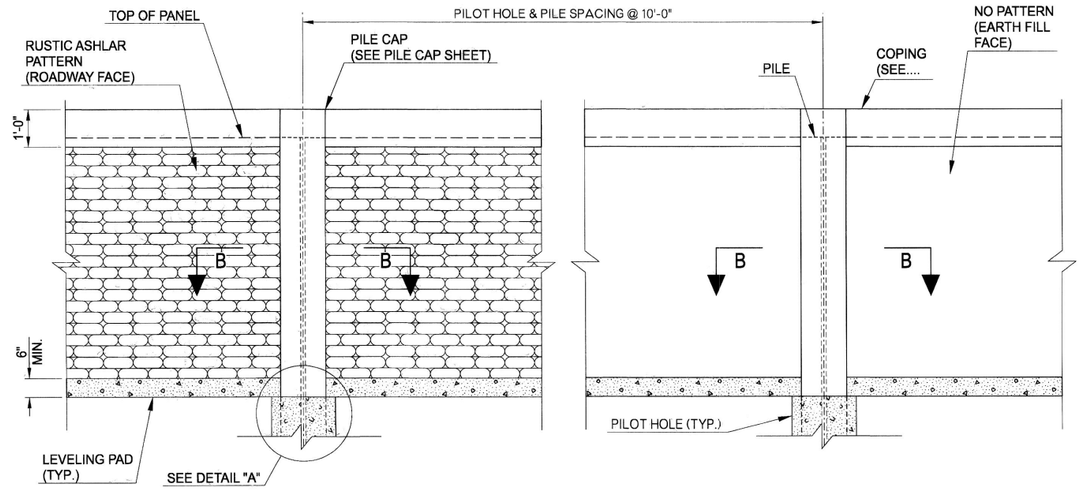


NOTE :
① 2'-0" MIN. DIMENSION FOR LIMITS OF ANTI-GRAFFITI PAYMENTS ARE 2'-0".

WALL LAGGING SECTION WALL "B-1"

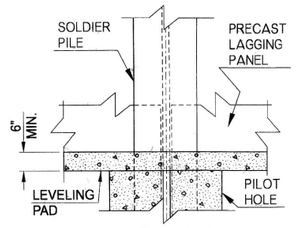


ROADWAY FACE
(RUSTIC ASHLAR PATTERN)

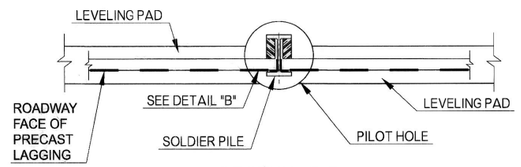
TYPICAL ELEVATION

EARTH FILL FACE
(NO PATTERN)

NOTE: THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.



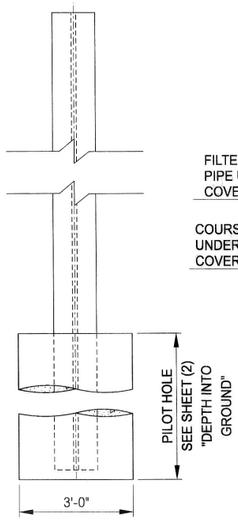
DETAIL "A"

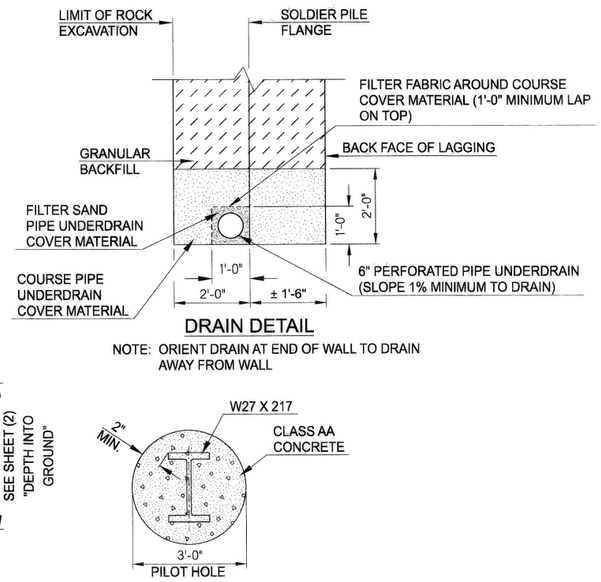


SECTION B-B

NOTE: THE JOINTS BETWEEN THE WALL PANELS AND PILE SHALL BE A SOLID CONNECTION. A SMOOTH SURFACE MAY BE ALLOWED AT THE EDGE OF WALL PANELS TO ACHIEVE THIS SOLID CONNECTION.

NOTE: CONTRACTOR SHALL PROVIDE 4" x 4" GREEN TREATED BLOCKING IN UPPER AND LOWER CORNERS OF PANELS. BLOCKING SHALL BE CUT TO LENGTH AND GREEN TREATED WOODEN WEDGES SHALL BE USED BETWEEN THE PILE AND THE BLOCKING TO SECURE THE BLOCKING, ADDITIONAL ELASTOMERIC PADS MAY BE REQUIRED FOR PANEL ALIGNMENT DUE TO TOLERANCES IN PILE PLACEMENT.



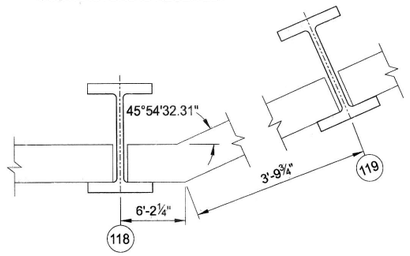


DRAIN DETAIL

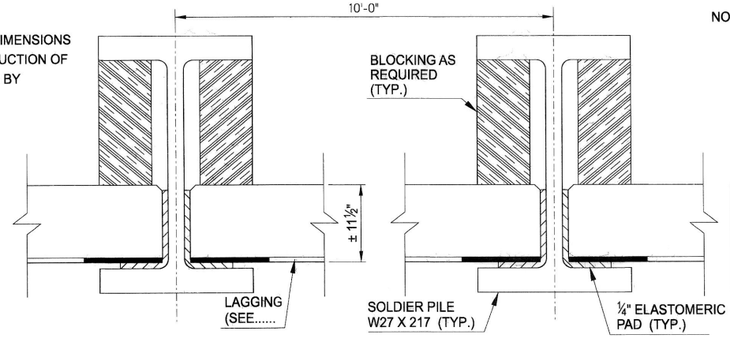
NOTE: ORIENT DRAIN AT END OF WALL TO DRAIN AWAY FROM WALL

SOLDIER PILE & PILOT HOLE SECTION

NOTE: CONTRACTOR MUST CONTACT PRECASTER AND VERIFY THE DIMENSIONS IN FIELD FOR PANEL A118. PRECASTER WILL NOT BEGIN PRODUCTION OF PANEL AND COPING UNTIL CONFIRMATION OF ALL DIMENSIONS BY CONTRACTORS IS RECEIVED.



DETAIL AT WALL "A" TURN



DETAIL "B"





SOLDIER PILE WALL DETAILS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE	04/2023	APPROVED:
	DESIGNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	DD	6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.	DD	6/25	
	FIELD MGR.	BM	6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER	HB	7-25	CITY ENGINEER
FILE: H\21-1009	DRAWING:21-1009 Wall Soldier Pile Details			DATE: 7/3/2025
ATLAS PAGE NO:				SHEET 517 OF 268 SHEETS

PILE SCHEDULE

WALL	PILE NO.	℄ PILE STATION	℄ PILE LEFT OFFSET	DEPTH INTO GROUND (PILOT HOLE LENGTH)	TOP OF WALL ELEVATION	TOP OF PILE ELEVATION	PILE LENGTH
	1	155+25.00	28.65'	13.00'	805.89'	805.31'	24.44'
	2	155+35.00	28.74'	13.00'	807.29'	806.71'	25.84'
	3	155+45.00	28.83'	13.00'	808.70'	808.11'	26.36'
	4	155+55.00	28.92'	13.00'	810.10'	809.52'	26.85'
	5	155+65.00	29.00'	13.00'	811.50'	810.92'	27.32'
	6	155+75.00	29.09'	13.00'	812.91'	812.32'	27.77'
	7	155+85.00	29.18'	15.00'	814.31'	813.73'	30.22'
	8	155+95.00	29.27'	15.00'	815.71'	815.13'	30.67'
	9	156+05.00	29.36'	15.00'	817.11'	816.53'	31.12'
	10	156+15.00	29.44'	15.00'	818.52'	817.93'	31.58'
	11	156+25.00	29.53'	15.00'	819.92'	819.34'	32.02'
	12	156+35.00	29.62'	15.00'	821.31'	820.73'	32.46'
	13	156+45.00	29.71'	15.00'	822.67'	822.09'	32.87'
	14	156+55.00	29.80'	17.00'	824.00'	823.42'	35.25'
	15	156+65.00	29.88'	17.00'	825.30'	824.73'	35.60'
	16	156+75.00	29.97'	17.00'	826.57'	826.00'	35.92'
	17	156+85.00	30.06'	17.00'	827.82'	827.25'	36.21'
	18	156+95.00	30.15'	17.00'	829.03'	828.46'	36.48'
	19	157+05.00	30.24'	17.00'	830.22'	829.65'	36.71'
	20	157+15.00	30.32'	17.00'	831.38'	830.81'	36.92'
	21	157+25.00	30.41'	17.00'	832.51'	831.94'	37.10'
	22	157+35.00	30.50'	17.00'	833.61'	833.04'	37.25'
	23	157+45.00	30.59'	17.00'	834.68'	834.11'	37.37'
	24	157+55.00	30.68'	17.00'	835.72'	835.16'	37.46'
	25	157+65.00	30.76'	17.00'	836.73'	836.17'	37.52'
	26	157+75.00	30.85'	17.00'	837.72'	837.16'	37.56'
	27	157+85.00	30.94'	17.00'	838.67'	838.12'	37.56'
	28	157+95.00	31.03'	17.00'	839.60'	839.04'	37.53'
	29	158+05.34	31.09'	17.00'	840.49'	839.94'	37.47'
	30	158+15.34	31.06'	17.00'	841.33'	840.78'	37.33'
	31	158+25.34	31.04'	17.00'	842.12'	841.58'	37.17'
	32	158+35.34	31.01'	17.00'	842.86'	842.32'	36.96'
"A"	33	158+45.34	30.98'	17.00'	843.55'	843.01'	36.71'
	34	158+55.34	30.95'	17.00'	844.19'	843.65'	36.43'
	35	158+65.34	30.93'	17.00'	844.78'	844.25'	36.13'
	36	158+75.34	30.90'	17.00'	845.32'	844.79'	35.82'
	37	158+85.34	30.87'	17.00'	845.81'	845.29'	35.49'
	38	158+95.34	30.84'	17.00'	846.26'	845.73'	35.14'
	39	159+05.34	30.82'	15.00'	846.65'	846.13'	32.77'
	40	159+15.34	30.79'	15.00'	847.00'	846.48'	32.39'
	41	159+25.34	30.76'	15.00'	847.29'	846.77'	31.98'
	42	159+35.34	30.74'	15.00'	847.56'	847.04'	31.58'
	43	159+45.34	30.71'	15.00'	847.81'	847.30'	31.20'
	44	159+55.34	30.68'	15.00'	848.06'	847.55'	30.85'
	45	159+65.34	30.66'	15.00'	848.31'	847.79'	30.51'
	46	159+75.34	30.63'	15.00'	848.54'	848.03'	30.21'
	47	159+85.34	30.60'	13.00'	848.77'	848.26'	27.92'
	48	159+95.34	30.57'	13.00'	848.99'	848.48'	27.66'
	49	160+05.34	30.55'	13.00'	849.20'	848.69'	27.42'
	50	160+15.34	30.52'	13.00'	849.40'	848.89'	27.21'
	51	160+25.34	30.49'	13.00'	849.60'	849.09'	27.02'
	52	160+35.34	30.47'	13.00'	849.79'	849.28'	26.85'
	53	160+45.34	30.44'	13.00'	849.97'	849.46'	26.71'
	54	160+55.34	30.41'	13.00'	850.14'	849.63'	26.59'
	55	160+65.34	30.39'	13.00'	850.30'	849.79'	26.49'
	56	160+75.34	30.36'	13.00'	850.46'	849.95'	26.42'
	57	160+85.34	30.33'	13.00'	850.61'	850.10'	26.37'
	58	160+95.34	30.30'	13.00'	850.75'	850.24'	26.35'
	59	161+05.34	30.28'	13.00'	850.88'	850.37'	26.35'
	60	161+15.34	30.25'	13.00'	851.01'	850.50'	26.37'
	61	161+25.34	30.22'	13.00'	851.12'	850.62'	26.41'
	62	161+35.34	30.20'	13.00'	851.23'	850.73'	26.50'
	63	161+45.34	30.17'	13.00'	851.34'	850.83'	26.65'
	64	161+55.34	30.14'	13.00'	851.43'	850.92'	26.83'
	65	161+65.34	30.11'	13.00'	851.52'	851.01'	27.03'

PILE SCHEDULE

WALL	PILE NO.	℄ PILE STATION	℄ PILE LEFT OFFSET	DEPTH INTO GROUND (PILOT HOLE LENGTH)	TOP OF WALL ELEVATION	TOP OF PILE ELEVATION	PILE LENGTH
	66	161+75.34	30.09'	13.00'	851.59'	851.08'	27.26'
	67	161+85.34	30.06'	13.00'	851.65'	851.14'	27.50'
	68	161+95.34	30.03'	13.00'	851.68'	851.18'	27.75'
	69	162+05.34	30.01'	15.00'	851.70'	851.20'	30.02'
	70	162+15.34	29.98'	15.00'	851.70'	851.20'	30.29'
	71	162+25.34	29.95'	15.00'	851.68'	851.18'	30.58'
	72	162+35.34	29.92'	15.00'	851.65'	851.14'	30.87'
	73	162+45.34	29.90'	15.00'	851.59'	851.08'	31.18'
	74	162+55.34	29.87'	15.00'	851.51'	851.00'	31.50'
	75	162+65.34	29.84'	15.00'	851.41'	850.90'	31.83'
	76	162+75.34	29.82'	15.00'	851.29'	850.79'	32.18'
	77	162+85.34	29.79'	15.00'	851.16'	850.65'	32.54'
	78	162+95.34	29.76'	15.00'	851.00'	850.49'	32.90'
	79	163+05.34	29.73'	17.00'	850.82'	850.31'	35.28'
	80	163+15.34	29.71'	17.00'	850.63'	850.12'	35.67'
	81	163+25.34	29.68'	17.00'	850.42'	849.90'	36.07'
	82	163+35.34	29.65'	17.00'	850.16'	849.65'	36.43'
	83	163+45.34	29.63'	17.00'	849.85'	849.33'	36.73'
	84	163+55.34	29.60'	17.00'	849.47'	848.95'	36.97'
	85	163+65.34	29.57'	17.00'	849.04'	848.51'	37.15'
	86	163+75.34	29.54'	17.00'	848.54'	848.01'	37.27'
	87	163+85.34	29.52'	17.00'	847.99'	847.45'	37.33'
	88	163+95.34	29.49'	17.00'	847.37'	846.83'	37.33'
	89	164+05.34	29.46'	17.00'	846.70'	846.15'	37.26'
	90	164+15.34	29.44'	17.00'	845.97'	845.43'	37.16'
	91	164+25.34	29.41'	17.00'	845.22'	844.67'	37.02'
	92	164+35.34	29.38'	17.00'	844.43'	843.89'	36.85'
	93	164+45.34	29.36'	17.00'	843.62'	843.07'	36.65'
"A"	94	164+55.34	29.33'	17.00'	842.77'	842.22'	36.42'
	95	164+65.34	29.30'	17.00'	841.89'	841.33'	36.16'
	96	164+75.34	29.27'	17.00'	840.97'	840.42'	35.86'
	97	164+85.34	29.25'	17.00'	840.03'	839.47'	35.54'
	98	164+95.34	29.22'	17.00'	839.05'	838.49'	35.19'
	99	165+05.34	29.19'	15.00'	838.04'	837.48'	32.81'
	100	165+15.34	29.17'	15.00'	837.00'	836.44'	32.41'
	101	165+25.34	29.14'	15.00'	835.95'	835.39'	31.99'
	102	165+35.34	29.11'	15.00'	834.89'	834.33'	31.58'
	103	165+45.34	29.08'	15.00'	833.84'	833.27'	31.15'
	104	165+55.34	29.06'	15.00'	832.78'	832.22'	30.73'
	105	165+65.34	29.03'	15.00'	831.72'	831.16'	30.30'
	106	165+75.34	29.00'	13.00'	830.67'	830.11'	27.87'
	107	165+85.34	28.98'	13.00'	829.61'	829.05'	27.43'
	108	165+95.34	28.95'	13.00'	828.56'	827.99'	26.99'
	109	166+05.34	28.92'	13.00'	827.50'	826.94'	26.55'
	110	166+15.34	28.89'	13.00'	826.44'	825.88'	26.12'
	111	166+25.34	28.87'	13.00'	825.39'	824.83'	25.68'
	112	166+35.34	28.84'	13.00'	824.33'	823.77'	25.24'
	113	166+45.34	28.81'	13.00'	823.28'	822.71'	24.80'
	114	166+55.34	28.79'	13.00'	822.22'	821.66'	24.35'
	115	166+65.34	28.76'	13.00'	821.16'	820.60'	23.84'
	116	166+75.34	28.73'	13.00'	820.11'	819.55'	23.27'
	117	166+85.34	28.70'	11.00'	819.05'	818.49'	20.62'
	118	166+95.34	28.68'	11.00'	818.00'	817.43'	19.77'
	119	167+03.47	31.09'	11.00'	817.23'	816.71'	19.06'
	120	167+10.46	38.26'	11.00'	816.96'	816.44'	18.53'
	121	167+17.44	45.42'	11.00'	816.68'	816.17'	17.26'
	122	167+24.41	52.58'	11.00'	816.41'	815.90'	16.89'
	123	167+34.74	63.19'	11.00'	816.00'	815.50'	16.48'

BEFORE YOU DIG 811 OKIE CALL OKIE

LIC. ENGINEER SAMANTHA HENNRICH 32024 OKLAHOMA

SOLDIER PILE WALL DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	06/2023
DESIGNED	POE	06/2023
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED: DESIGN MANAGER	HAS	7-25

APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:21-1009 SOLDIER PILE LISTS
DATE 7/8/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S18 OF 268 SHEETS

PILE SCHEDULE

WALL	PILE NO.	℄ PILE STATION	℄ PILE LEFT OFFSET	DEPTH INTO GROUND (PILOT HOLE LENGTH)	TOP OF WALL ELEVATION	TOP OF PILE ELEVATION	PILE LENGTH
"B-1"	1	168+98.99	36.15'	11.00'	821.94'	821.37'	19.80'
	2	169+08.99	36.15'	13.00'	823.08'	822.51'	22.93'
	3	169+18.99	36.15'	13.00'	824.15'	823.59'	23.58'
	4	169+28.99	36.15'	13.00'	825.17'	824.61'	24.18'
	5	169+38.99	36.15'	13.00'	826.12'	825.57'	24.76'
	6	169+48.99	36.15'	13.00'	827.02'	826.46'	25.27'
	7	169+58.99	36.15'	13.00'	827.85'	827.30'	25.73'
	8	169+68.99	36.15'	13.00'	828.62'	828.08'	26.13'
	9	169+78.99	36.15'	13.00'	829.33'	828.79'	26.46'
	10	169+88.99	36.15'	13.00'	829.99'	829.45'	26.74'
	11	169+98.99	36.15'	13.00'	830.58'	830.04'	26.95'
	12	170+08.99	36.15'	13.00'	831.11'	830.57'	27.11'
	13	170+18.99	36.15'	13.00'	831.57'	831.05'	27.20'
	14	170+28.99	36.15'	13.00'	831.98'	831.45'	27.22'
	15	170+38.99	36.15'	13.00'	832.33'	831.81'	27.22'
	16	170+48.99	36.15'	13.00'	832.62'	832.10'	27.17'
	17	170+58.99	36.15'	13.00'	832.85'	832.34'	27.09'
	18	170+68.99	36.15'	13.00'	832.98'	832.47'	26.96'
	19	170+78.99	36.15'	13.00'	832.98'	832.47'	26.73'
	20	170+88.99	36.15'	13.00'	832.86'	832.34'	26.40'
	21	170+98.99	36.15'	13.00'	832.61'	832.09'	25.98'
	22	171+08.99	36.15'	13.00'	832.24'	831.71'	25.46'
	23	171+18.99	36.15'	13.00'	831.75'	831.21'	24.85'
	24	171+28.99	36.15'	13.00'	831.13'	830.58'	24.14'
	25	171+38.99	36.15'	13.00'	830.38'	829.83'	23.36'
	26	171+48.99	36.15'	11.00'	829.51'	828.96'	20.54'
	27	171+58.99	36.15'	11.00'	828.52'	827.96'	19.61'
	28	171+68.99	36.15'	11.00'	827.41'	826.83'	18.49'

PILE SCHEDULE

WALL	PILE NO.	℄ PILE STATION	℄ PILE LEFT OFFSET	DEPTH INTO GROUND (PILOT HOLE LENGTH)	TOP OF WALL ELEVATION	TOP OF PILE ELEVATION	PILE LENGTH
"D"	1	146+36.73	45.98'	11.00'	757.81'	757.17'	16.33'
	2	146+46.73	45.98'	11.00'	760.19'	759.55'	18.71'
	3	146+56.73	45.98'	11.00'	762.46'	761.82'	18.69'
	4	146+66.73	45.98'	11.00'	764.61'	763.98'	20.17'
	5	146+76.73	45.98'	13.00'	766.64'	766.02'	23.57'
	6	146+86.73	45.98'	13.00'	768.56'	767.95'	24.84'
	7	146+96.73	45.98'	13.00'	770.37'	769.76'	26.02'
	8	147+06.73	45.98'	13.00'	772.05'	771.46'	27.09'
	9	147+16.73	45.98'	15.00'	773.63'	773.04'	30.06'
	10	147+26.73	45.98'	15.00'	775.09'	774.50'	30.92'
	11	147+36.73	45.98'	15.00'	776.43'	775.85'	31.68'
	12	147+46.73	45.98'	15.00'	777.65'	777.08'	32.32'
	13	147+56.73	45.98'	15.00'	778.77'	778.20'	32.87'
	14	147+66.73	45.98'	17.00'	779.76'	779.20'	35.31'
	15	147+76.73	45.98'	17.00'	780.64'	780.09'	35.64'
	16	147+86.73	45.98'	17.00'	781.41'	780.86'	35.87'
	17	147+96.73	45.98'	17.00'	782.06'	781.52'	35.97'
	18	148+06.73	45.98'	17.00'	782.62'	782.09'	36.05'
	19	148+16.73	45.98'	17.00'	783.15'	782.62'	36.07'
	20	148+26.73	45.98'	17.00'	783.63'	783.10'	36.04'
	21	148+36.73	45.98'	17.00'	784.07'	783.54'	35.99'
	22	148+46.73	45.98'	17.00'	784.46'	783.94'	35.91'
	23	148+56.73	45.98'	17.00'	784.82'	784.30'	35.79'
	24	148+66.73	45.98'	17.00'	785.12'	784.61'	35.64'
	25	148+76.73	45.98'	17.00'	785.39'	784.87'	35.46'
	26	148+86.73	45.98'	17.00'	785.61'	785.09'	35.24'
	27	148+96.73	45.98'	17.00'	785.78'	785.27'	35.00'
	28	149+06.73	45.98'	15.00'	785.92'	785.41'	32.71'
	29	149+16.73	45.98'	15.00'	786.01'	785.50'	32.39'
	30	149+26.73	45.98'	15.00'	786.05'	785.55'	32.04'
	31	149+36.73	45.98'	15.00'	786.05'	785.55'	31.65'
	32	149+46.73	45.98'	15.00'	786.01'	785.51'	31.22'
	33	149+56.73	45.98'	15.00'	785.92'	785.42'	30.76'
	34	149+66.73	45.98'	15.00'	785.79'	785.28'	30.26'
	35	149+76.73	45.98'	13.00'	785.62'	785.11'	27.72'
	36	149+86.73	45.98'	13.00'	785.40'	784.89'	27.15'
	37	149+96.73	45.98'	13.00'	785.14'	784.63'	26.56'
	38	150+06.73	45.98'	13.00'	784.84'	784.32'	25.95'
	39	150+16.73	45.98'	13.00'	784.49'	783.97'	25.28'
	40	150+26.73	45.98'	13.00'	784.10'	783.57'	24.59'
	41	150+36.73	45.98'	13.00'	783.66'	783.13'	23.87'
	42	150+46.73	45.98'	13.00'	783.18'	782.65'	23.13'
	43	150+56.73	45.98'	11.00'	782.66'	782.13'	20.38'

BEFORE YOU DIG 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

SOLDIER PILE WALL DETAILS (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

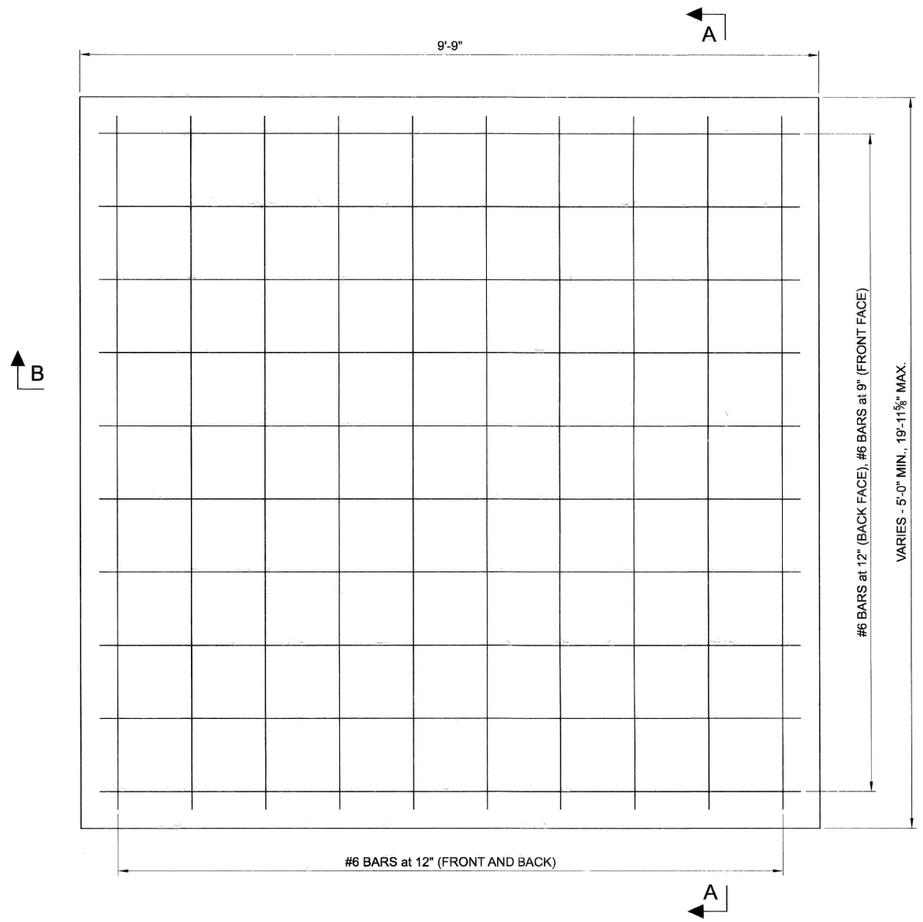
REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	06/2023
DESIGNED	POE	06/2023
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED	HAS	7-25
DESIGN MANAGER		CITY ENGINEER

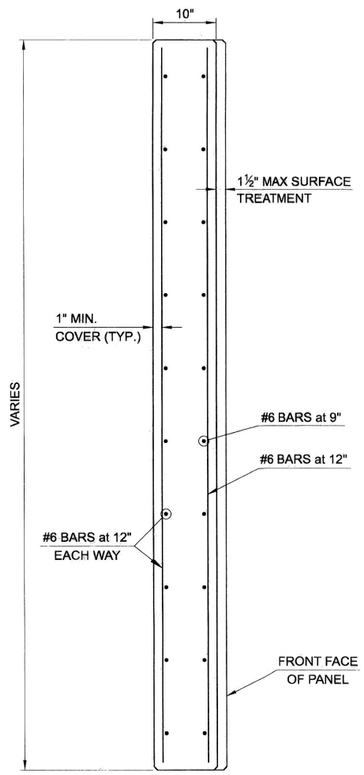
APPROVED:

FILE: H:\21-1009 DRAWING:21-1009 SOLDIER PILE LISTS
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S19 OF 268 SHEETS

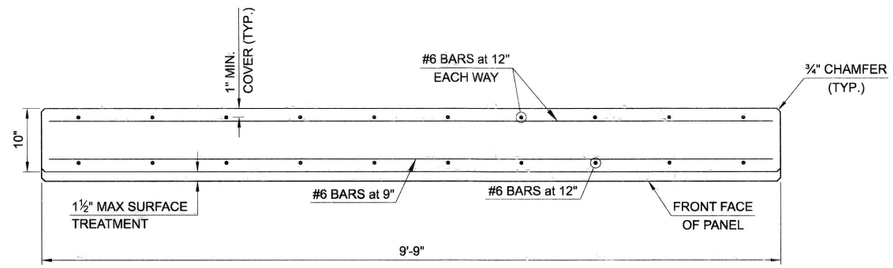


PANEL REINFORCEMENT

(BACK FACE ELEVATION)



SECTION A-A



SECTION B-B

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

SOLDIER PILE WALL DETAILS (4)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A
PROFILE SCALE:

DRAWN: POE 7.2025
DESIGNED:
SURVEY:
PROJ. MGR.: 6/25
LEAD ENGR.: 6/25
FIELD MGR.: 6/25
RECOMMENDED: HAS 7-23
DESIGN MANAGER

APPROVED:
CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S20 OF 288 SHEETS

6/16/2025 11:13:33 AM
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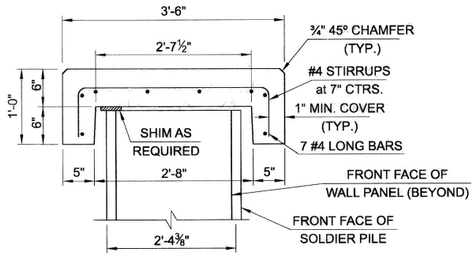
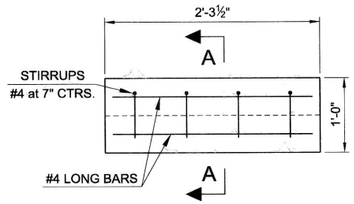


SECTION A-A

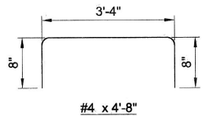
PRECAST PILE CAP

REBAR MAY BE REPLACED WITH EQUIVALENT WELDED WIRE CAGE



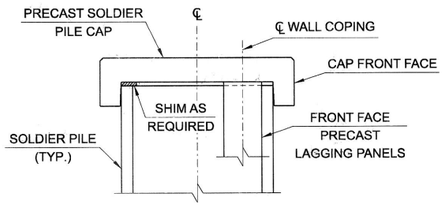
PRECAST PILE CAP - FRONT FACE ELEVATION

(NO FORM LINER)



#4 x 4'-8"

STIRRUP DETAIL



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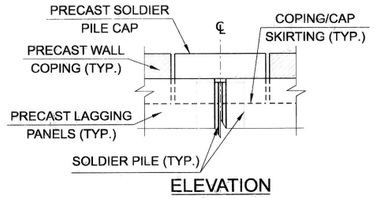
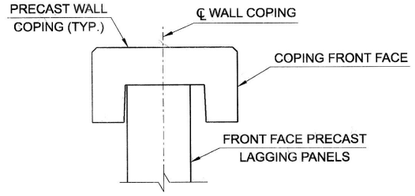
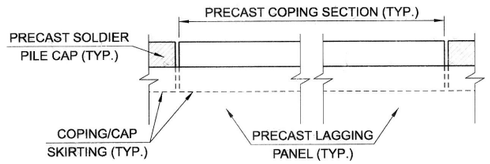


ELEVATION

SOLDIER PILE CAP DETAIL



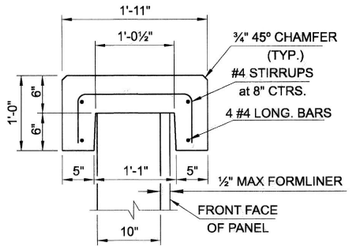
ELEVATION



ELEVATION

COPING DETAIL

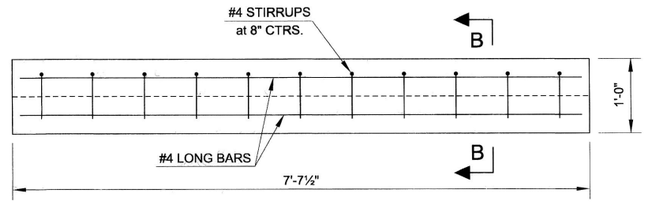
NOTE:
CONTRACTOR SHALL PROVIDE 4"x 4" GREEN TREATED BLOCKING IN UPPER AND LOWER CORNERS OF PANELS. BLOCKING SHALL BE CUT TO LENGTH AND GREEN TREATED WOODEN EDGES SHALL BE USED BETWEEN THE PILE AND THE BLOKCING TO SECURE THE BLOCKING. ADDITIONAL ELASTOMERIC PADS MAY BE REQUIRED FOR PANEL ALIGNMENT DUE TO TOLERANCES IN PILE PLACEMENT.



SECTION B-B

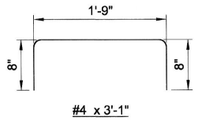
PRECAST COPING

REBAR MAY BE REPLACED WITH EQUIVALENT WELDED WIRE CAGE



PRECAST COPING - FRONT FACE ELEVATION

(NO FORM LINER)



#4 x 3'-1"

STIRRUP DETAIL

ALL BAR BENDS ARE OUT TO OUT

COPING/PILE CAP SCHEDULE			
QUANTITY	COPING	LENGTH	FORMLINER
122	WALL A COPING	7'-7½"	NONE
123	WALL A PILE CAP	2'-3½"	NONE
27	WALL B-1 COPING	7'-7½"	NONE
28	WALL B-1 PILE CAP	2'-3½"	NONE
42	WALL D COPING	7'-7½"	NONE
43	WALL D PILE CAP	2'-3½"	NONE

NOTES:

REINFORCMENT SHALL MEET THE REQUIRMENTS OF ASTM A615 GRADE 60.

COPING CONCRETE SHALL BE CLASS AA AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.

COPING SHALL BE CAST SUCH THAT TOP OF COPING ELEVATIONS AS GIVEN ON WALL PLAN & ELEVATION SHEETS ARE MET.

BEFORE YOU DIG 811 OKIE CALL OKIE

SAMANTHA HEINRICH 32024 LIC. ENGINEER OKLAHOMA

SOLDIER PILE WALL DETAILS (5)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

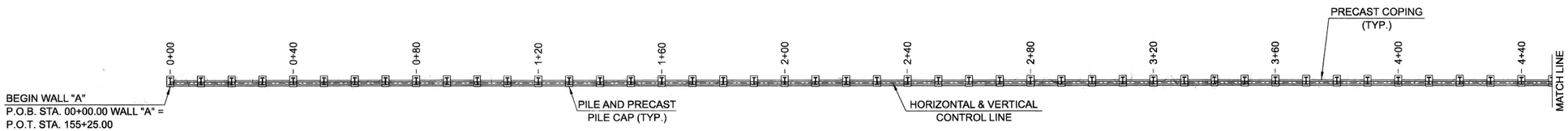
PLAN SCALE: 1" = N/A
PROFILE SCALE: 1" = N/A
HORIZONTAL:
VERTICAL

DRAWN	POE	2025
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED: DESIGN MANAGER	HAS	7-25

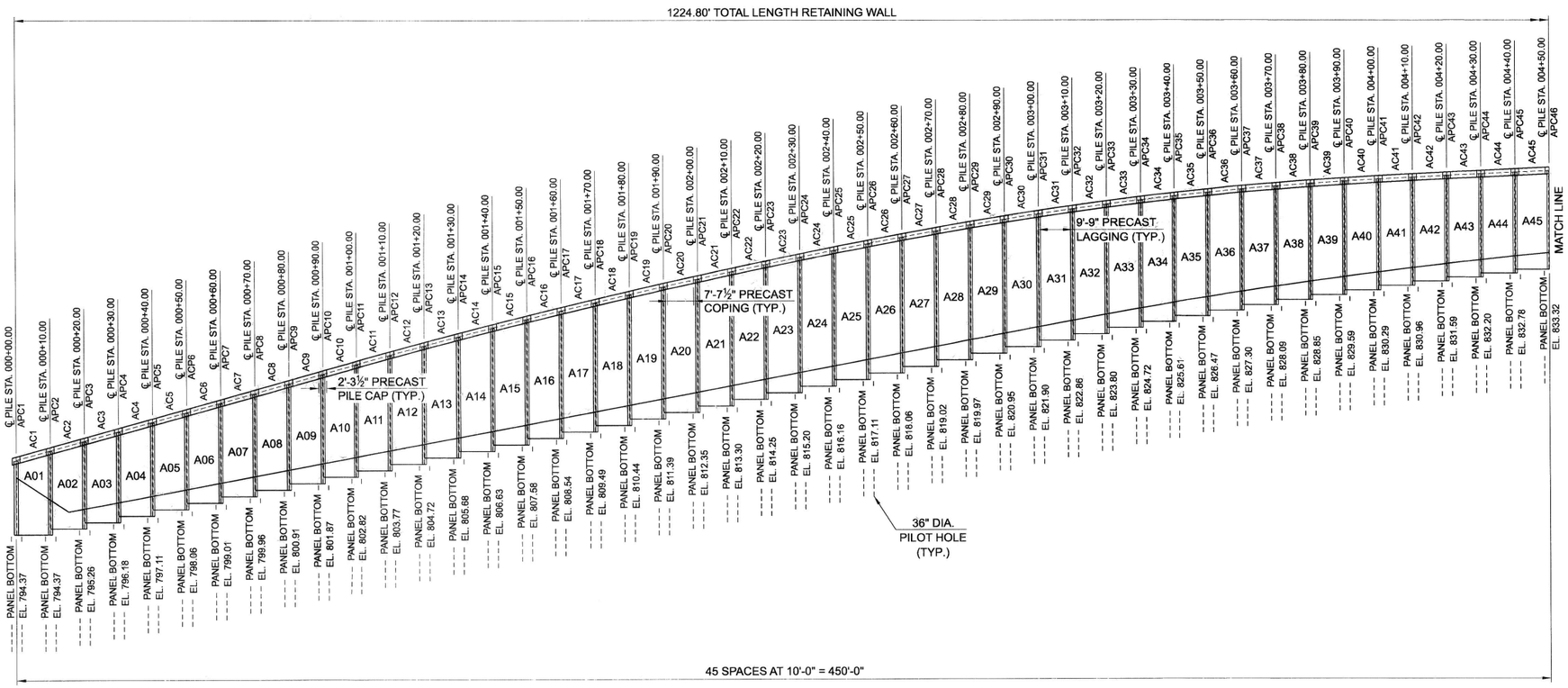
APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S21 OF 268 SHEETS

6/16/2025 11:14:08 AM
I:\21-1009 25th Widening\Plan Sheets\BridgeShts\21-1009 Wall Panel Details.dgn



RETAINING WALL - PLAN VIEW



RETAINING WALL - FRONT FACE ELEVATION

ELEVATION VIEW LEGEND:

---------- FINISHED GRADE IN FRONT OF WALL

WALL 'A' PANEL DETAILS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL: 1" = N/A

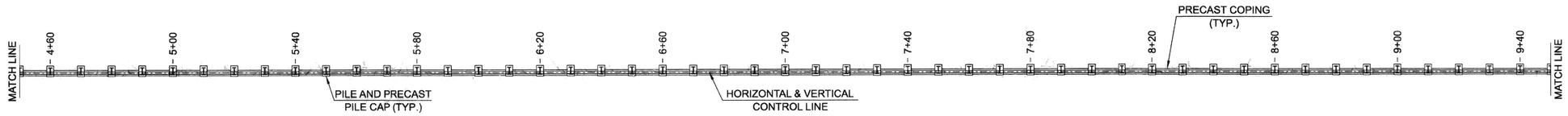
DRAWN: POE 2025
DESIGNED:
SURVEY:
PROJ. MGR.: 6/25
LEAD ENGR.: 6/25
FIELD MGR.: 6/25
RECOMMENDED: 7-25
DESIGN MANAGER

APPROVED:
CITY ENGINEER

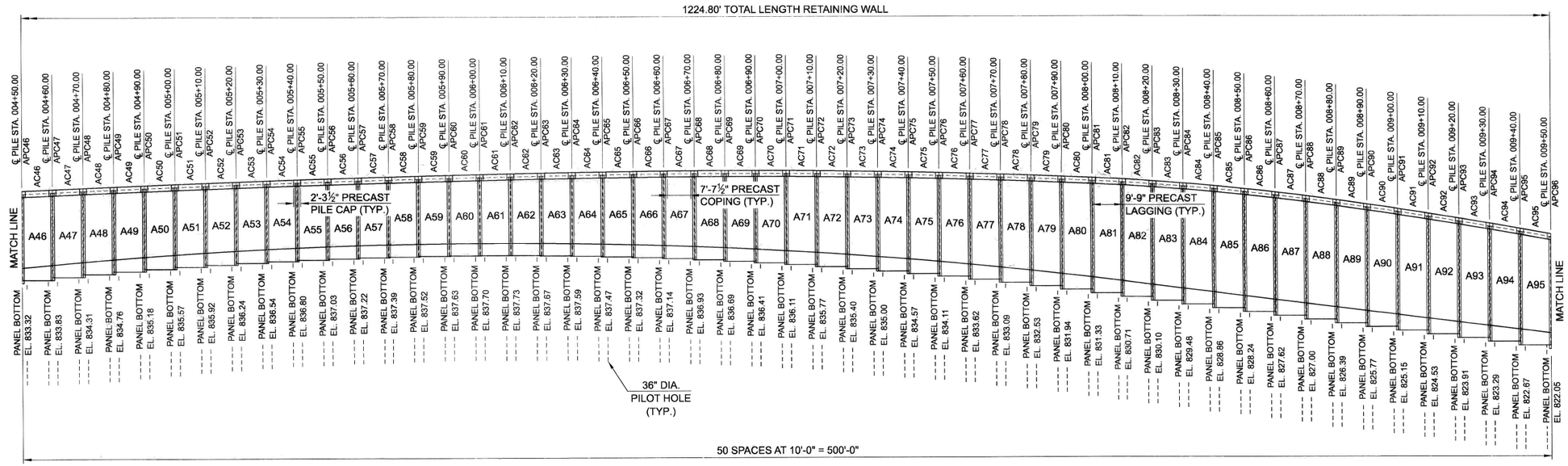
FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S22 OF 268 SHEETS

BEFORE YOU DIG 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER
SAMANTHA ENRICH
32024
OKLAHOMA
7-3-25



RETAINING WALL - PLAN VIEW



RETAINING WALL - FRONT FACE ELEVATION

ELEVATION VIEW LEGEND:

---------- FINISHED GRADE IN FRONT OF WALL

WALL 'A' PANEL DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	KEE	2025
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED:	HAS	7-25
DESIGN MANAGER		

APPROVED:

CITY ENGINEER

FILE: H:\21-1009 DRAWING:

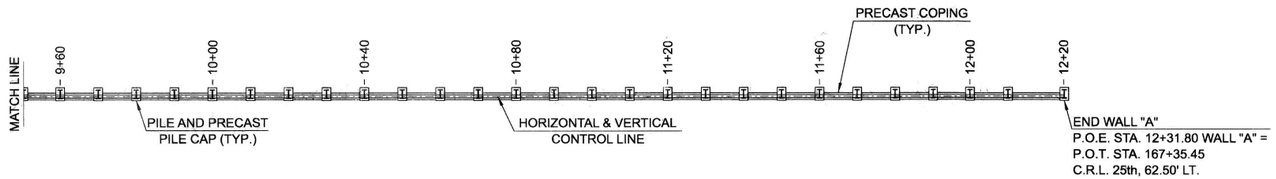
DATE: 7/3/2025

ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

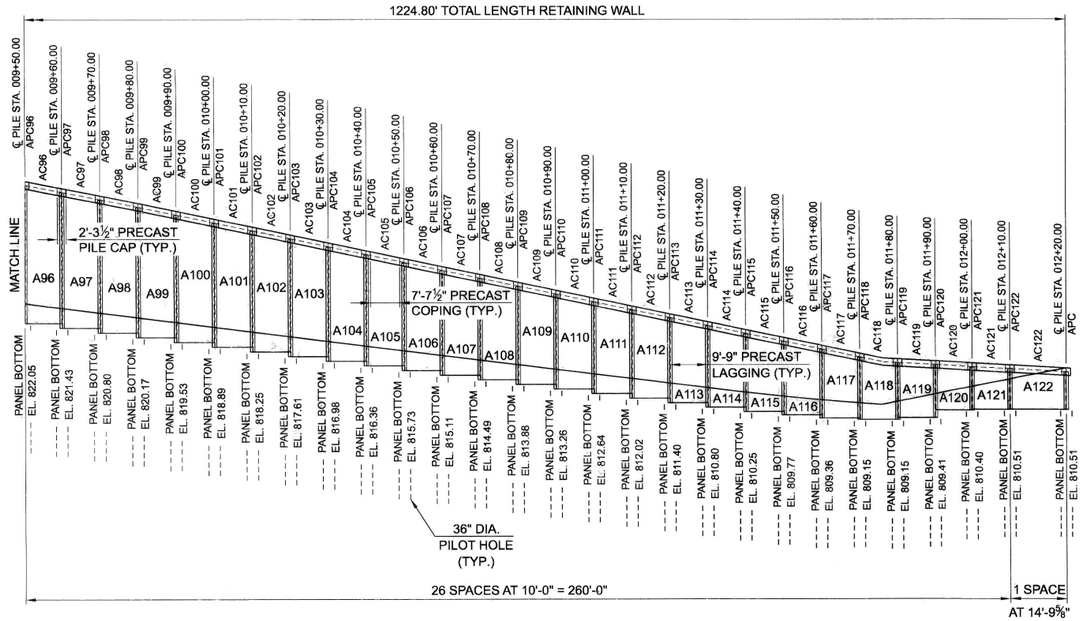
SHEET S23 OF 268 SHEETS

BEFORE YOU DIG 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA



RETAINING WALL - PLAN VIEW



RETAINING WALL - FRONT FACE ELEVATION

ELEVATION VIEW LEGEND:

---------- FINISHED GRADE IN FRONT OF WALL

BEFORE YOU DIG OKIE 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER
SAMANTHA HENRICH
32024
OKLAHOMA

WALL 'A' PANEL DETAILS (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

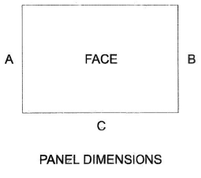
PLAN SCALE:	DRAWN	POE 2025	APPROVED:
1" = N/A	DESIGNED		
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	6/25	
HORIZONTAL:	LEAD ENGR.	6/25	
1" = N/A	FIELD MGR.	6/25	
VERTICAL	RECOMMENDED:	7-25	
1" = N/A	DESIGN MANAGER		CITY ENGINEER
FILE: H:\21-1009	DRAWING:		DATE: 7/3/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		SHEET S24 OF 268 SHEETS

WALL "A" PANEL SCHEDULE

QUANTITY	PANEL NO.	A	B	C	PANEL AREA (SF)	VERTICAL PANEL REINF.	HORIZONTAL PANEL REINF.	PANEL THICK (IN)	FORM LINER
1	A01	11'-0 1/2"	12'-4 7/8"	9'-9"	114.31	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A02	11'-6 5/8"	12'-11"	9'-9"	119.29	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A03	12'-0 1/2"	13'-4 7/8"	9'-9"	124.06	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A04	12'-6 1/8"	13'-10 5/8"	9'-9"	128.68	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A05	12'-11 5/8"	14'-4"	9'-9"	133.10	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A06	13'-5"	14'-9 3/8"	9'-9"	137.46	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A07	13'-10 3/8"	15'-2 7/8"	9'-9"	141.88	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A08	14'-3 7/8"	15'-8 1/4"	9'-9"	146.30	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A09	14'-9 1/4"	16'-1 5/8"	9'-9"	150.67	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A10	15'-2 5/8"	16'-7"	9'-9"	155.04	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A11	15'-8"	17'-0 1/4"	9'-9"	159.35	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A12	16'-1 1/4"	17'-5 1/8"	9'-9"	163.46	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A13	16'-6 1/8"	17'-9 3/4"	9'-9"	167.32	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A14	16'-10 5/8"	18'-1 7/8"	9'-9"	170.83	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A15	17'-2 7/8"	18'-5 3/4"	9'-9"	174.13	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A16	17'-6 3/4"	18'-9 1/4"	9'-9"	177.13	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A17	17'-10 1/8"	19'-0 3/8"	9'-9"	179.77	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A18	18'-1 3/8"	19'-3 1/4"	9'-9"	182.25	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A19	18'-4 1/8"	19'-5 5/8"	9'-9"	184.34	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A20	18'-6 5/8"	19'-7 3/4"	9'-9"	186.21	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A21	18'-8 3/4"	19'-9 5/8"	9'-9"	187.84	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A22	18'-10 1/2"	19'-11"	9'-9"	189.11	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A23	18'-11 7/8"	20'-0 1/8"	9'-9"	190.13	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A24	19'-1"	20'-0 3/4"	9'-9"	190.84	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A25	19'-1 5/8"	20'-1 1/4"	9'-9"	191.29	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A26	19'-2"	20'-1 1/4"	9'-9"	191.45	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A27	19'-2 1/8"	20'-0 7/8"	9'-9"	191.34	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A28	19'-1 3/4"	20'-0 1/8"	9'-9"	190.89	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A29	19'-0 5/8"	19'-10 3/8"	9'-9"	189.72	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A30	18'-11 1/4"	19'-8 1/2"	9'-9"	188.40	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A31	18'-9 1/4"	19'-5 7/8"	9'-9"	186.52	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A32	18'-6 3/4"	19'-2 7/8"	9'-9"	184.29	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A33	18'-4"	18'-11 1/2"	9'-9"	181.80	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A34	18'-1"	18'-7 7/8"	9'-9"	179.11	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A35	17'-9 3/4"	18'-4 1/8"	9'-9"	176.26	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A36	17'-6 3/8"	18'-0 1/8"	9'-9"	173.27	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A37	17'-2 3/4"	17'-7 7/8"	9'-9"	170.07	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A38	16'-10 7/8"	17'-3 1/2"	9'-9"	166.71	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A39	16'-6 3/4"	16'-10 7/8"	9'-9"	163.16	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A40	16'-2 1/2"	16'-6"	9'-9"	159.45	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A41	15'-10"	16'-1 1/8"	9'-9"	155.64	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A42	15'-5 1/2"	15'-8 5/8"	9'-9"	151.99	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A43	15'-1 3/8"	15'-4 1/4"	9'-9"	148.54	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A44	14'-9 1/2"	15'-0 1/4"	9'-9"	145.34	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A45	14'-5 7/8"	14'-8 5/8"	9'-9"	142.39	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A46	14'-2 1/2"	14'-5 1/8"	9'-9"	139.60	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A47	13'-11 1/2"	14'-2"	9'-9"	137.11	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A48	13'-8 3/4"	13'-11 1/8"	9'-9"	134.82	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A49	13'-6 1/4"	13'-8 5/8"	9'-9"	132.79	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A50	13'-4"	13'-6 3/8"	9'-9"	130.96	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A51	13'-2 1/8"	13'-4 3/8"	9'-9"	129.39	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A52	13'-0 1/2"	13'-2 5/8"	9'-9"	128.02	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A53	12'-11 1/8"	13'-1 1/8"	9'-9"	126.85	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A54	12'-10 1/8"	13'-0"	9'-9"	125.99	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A55	12'-9 1/4"	12'-11 1/8"	9'-9"	125.28	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A56	12'-8 7/8"	12'-10 1/2"	9'-9"	124.87	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A57	12'-8 5/8"	12'-10 1/4"	9'-9"	124.67	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A58	12'-8 5/8"	12'-10 1/4"	9'-9"	124.67	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A59	12'-9"	12'-10 1/2"	9'-9"	124.92	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A60	12'-9 5/8"	12'-11"	9'-9"	125.38	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A61	12'-10 3/4"	13'-0"	9'-9"	126.24	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A62	13'-0"	13'-1 1/4"	9'-9"	127.26	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A63	13'-1 7/8"	13'-3"	9'-9"	128.73	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A64	13'-4 1/8"	13'-5"	9'-9"	130.46	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A65	13'-6 1/2"	13'-7 3/8"	9'-9"	132.39	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR

WALL "A" PANEL SCHEDULE (CONT.)

QUANTITY	PANEL NO.	A	B	C	PANEL AREA (SF)	VERTICAL PANEL REINF.	HORIZONTAL PANEL REINF.	PANEL THICK (IN)	FORM LINER
1	A66	13'-9 1/4"	13'-9 7/8"	9'-9"	134.52	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A67	14'-0 1/8"	14'-0 1/2"	9'-9"	136.75	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A68	14'-3 1/8"	14'-3 1/4"	9'-9"	139.09	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A69	14'-6 1/4"	14'-6 1/4"	9'-9"	141.58	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A70	14'-9 1/2"	14'-9 1/4"	9'-9"	144.12	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A71	15'-0 7/8"	15'-0 1/2"	9'-9"	146.81	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A72	15'-4 1/2"	15'-3 3/4"	9'-9"	149.60	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A73	15'-8 1/4"	15'-7 1/4"	9'-9"	152.55	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A74	16'-0 1/8"	15'-10 7/8"	9'-9"	155.59	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A75	16'-4 1/8"	16'-2 3/4"	9'-9"	158.79	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A76	16'-8 1/4"	16'-6 5/8"	9'-9"	162.04	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A77	17'-0 1/2"	16'-10 5/8"	9'-9"	165.39	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A78	17'-4 7/8"	17'-2 7/8"	9'-9"	168.90	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A79	17'-9 1/2"	17'-7 1/4"	9'-9"	172.55	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A80	18'-2 1/4"	17'-11 3/4"	9'-9"	176.31	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A81	18'-7"	18'-4"	9'-9"	179.97	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A82	18'-11 3/8"	18'-7 5/8"	9'-9"	183.22	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A83	19'-3"	18'-10 5/8"	9'-9"	185.91	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A84	19'-5 7/8"	19'-0 3/4"	9'-9"	187.94	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A85	19'-8"	19'-2 1/4"	9'-9"	189.41	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A86	19'-9 1/2"	19'-3"	9'-9"	190.33	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A87	19'-10 1/4"	19'-3 1/8"	9'-9"	190.68	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A88	19'-10 1/4"	19'-2 3/8"	9'-9"	190.38	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A89	19'-9 1/2"	19'-1 1/8"	9'-9"	189.57	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A90	19'-8 3/8"	18'-11 1/2"	9'-9"	188.45	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A91	19'-6 3/4"	18'-9 1/2"	9'-9"	186.98	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A92	19'-4 5/8"	18'-7 1/8"	9'-9"	185.15	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A93	19'-2 1/4"	18'-4 3/8"	9'-9"	183.07	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A94	18'-11 1/2"	18'-1 1/4"	9'-9"	180.68	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A95	18'-8 3/8"	17'-9 5/8"	9'-9"	177.94	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A96	18'-4 7/8"	17'-5 3/4"	9'-9"	174.94	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A97	18'-1"	17'-1 5/8"	9'-9"	171.69	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A98	17'-8 7/8"	16'-9"	9'-9"	168.14	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A99	17'-4 3/8"	16'-4 1/8"	9'-9"	164.33	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A100	16'-11 1/2"	15'-11 1/8"	9'-9"	160.32	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A101	16'-6 1/2"	15'-6 1/8"	9'-9"	156.25	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A102	16'-1 1/2"	15'-1 1/8"	9'-9"	152.19	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A103	15'-8 3/8"	14'-8 1/8"	9'-9"	148.08	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A104	15'-3 3/8"	14'-3"	9'-9"	143.96	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A105	14'-10 1/8"	13'-9 3/4"	9'-9"	139.70	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A106	14'-5"	13'-4 5/8"	9'-9"	135.54	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A107	13'-11 3/4"	12'-11 3/8"	9'-9"	131.27	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A108	13'-6 1/2"	12'-6 1/8"	9'-9"	127.00	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A109	13'-1 1/4"	12'-0 7/8"	9'-9"	122.74	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A110	12'-8"	11'-7 5/8"	9'-9"	118.47	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A111	12'-2 3/4"	11'-2 3/8"	9'-9"	114.21	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A112	11'-9 1/2"	10'-9 1/8"	9'-9"	109.94	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A113	11'-4 1/4"	10'-3 7/8"	9'-9"	105.68	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A114	10'-10 3/4"	9'-10 3/8"	9'-9"	101.21	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A115	10'-4 3/4"	9'-4 3/8"	9'-9"	96.33	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A116	9'-9 3/4"	8'-9 3/8"	9'-9"	90.64	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A117	9'-2"	8'-1 5/8"	9'-9"	84.35	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A118	8'-3 7/8"	7'-6 7/8"	9'-9"	76.61	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A119	7'-3 3/4"	7'-0 5/8"	9'-9"	70.03	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A120	6'-0 5/8"	5'-9 3/8"	9'-9"	57.69	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A121	5'-8"	5'-4 7/8"	9'-9"	53.98	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	A122	5'-4 7/8"	5'-0"	14'-6"	75.45	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
122					18407				



PANEL DIMENSIONS

PANEL NOTES:

PANEL DIMENSIONS AS GIVEN ARE CONCRETE FACE OUT TO OUT. ACTUAL CENTERLINE OF JOINT TO CENTERLINE OF JOINT WILL VARY. (SEE DETAILS)

PANEL THICKNESS SHOWN DOES NOT INCLUDE PANEL FINISH.





WALL 'A' PANEL SCHEDULE

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN SAE 2025
DESIGNED
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED: HAS 7-25
DESIGN MANAGER

APPROVED:
CITY ENGINEER

FILE: H:\21-1009
DRAWING:
DATE: 7/3/2025

ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

SHEET S25 OF 268 SHEETS

WALL "A" COPING SCHEDULE

QUANTITY	COPING NO.	LENGTH	ELEVATION LT.	ELEVATION RT.	FORM LINER
1	AC1	7'-7 1/2"	806.05	807.13	NONE
1	AC2	7'-7 1/2"	807.46	808.53	NONE
1	AC3	7'-7 1/2"	808.86	809.94	NONE
1	AC4	7'-7 1/2"	810.26	811.34	NONE
1	AC5	7'-7 1/2"	811.67	812.74	NONE
1	AC6	7'-7 1/2"	813.07	814.14	NONE
1	AC7	7'-7 1/2"	814.47	815.55	NONE
1	AC8	7'-7 1/2"	815.87	816.95	NONE
1	AC9	7'-7 1/2"	817.28	818.35	NONE
1	AC10	7'-7 1/2"	818.68	819.76	NONE
1	AC11	7'-7 1/2"	820.08	821.15	NONE
1	AC12	7'-7 1/2"	821.47	822.51	NONE
1	AC13	7'-7 1/2"	822.82	823.85	NONE
1	AC14	7'-7 1/2"	824.15	825.15	NONE
1	AC15	7'-7 1/2"	825.45	826.43	NONE
1	AC16	7'-7 1/2"	826.72	827.67	NONE
1	AC17	7'-7 1/2"	827.96	828.89	NONE
1	AC18	7'-7 1/2"	829.17	830.08	NONE
1	AC19	7'-7 1/2"	830.36	831.24	NONE
1	AC20	7'-7 1/2"	831.51	832.38	NONE
1	AC21	7'-7 1/2"	832.64	833.48	NONE
1	AC22	7'-7 1/2"	833.73	834.55	NONE
1	AC23	7'-7 1/2"	834.80	835.60	NONE
1	AC24	7'-7 1/2"	835.84	836.62	NONE
1	AC25	7'-7 1/2"	836.85	837.60	NONE
1	AC26	7'-7 1/2"	837.83	838.56	NONE
1	AC27	7'-7 1/2"	838.78	839.49	NONE
1	AC28	7'-7 1/2"	839.71	840.39	NONE
1	AC29	7'-7 1/2"	840.59	841.24	NONE
1	AC30	7'-7 1/2"	841.43	842.03	NONE
1	AC31	7'-7 1/2"	842.21	842.78	NONE
1	AC32	7'-7 1/2"	842.94	843.47	NONE
1	AC33	7'-7 1/2"	843.63	844.12	NONE
1	AC34	7'-7 1/2"	844.26	844.71	NONE
1	AC35	7'-7 1/2"	844.85	845.26	NONE
1	AC36	7'-7 1/2"	845.38	845.76	NONE
1	AC37	7'-7 1/2"	845.87	846.21	NONE
1	AC38	7'-7 1/2"	846.31	846.61	NONE
1	AC39	7'-7 1/2"	846.69	846.96	NONE
1	AC40	7'-7 1/2"	847.03	847.26	NONE
1	AC41	7'-7 1/2"	847.32	847.53	NONE
1	AC42	7'-7 1/2"	847.59	847.78	NONE
1	AC43	7'-7 1/2"	847.84	848.04	NONE
1	AC44	7'-7 1/2"	848.09	848.28	NONE
1	AC45	7'-7 1/2"	848.34	848.52	NONE
1	AC46	7'-7 1/2"	848.57	848.74	NONE
1	AC47	7'-7 1/2"	848.80	848.96	NONE
1	AC48	7'-7 1/2"	849.01	849.18	NONE
1	AC49	7'-7 1/2"	849.22	849.38	NONE
1	AC50	7'-7 1/2"	849.43	849.58	NONE
1	AC51	7'-7 1/2"	849.62	849.76	NONE
1	AC52	7'-7 1/2"	849.81	849.95	NONE
1	AC53	7'-7 1/2"	849.99	850.12	NONE
1	AC54	7'-7 1/2"	850.16	850.28	NONE
1	AC55	7'-7 1/2"	850.32	850.44	NONE
1	AC56	7'-7 1/2"	850.48	850.59	NONE
1	AC57	7'-7 1/2"	850.62	850.73	NONE
1	AC58	7'-7 1/2"	850.76	850.87	NONE
1	AC59	7'-7 1/2"	850.90	850.99	NONE
1	AC60	7'-7 1/2"	851.02	851.11	NONE
1	AC61	7'-7 1/2"	851.14	851.22	NONE
1	AC62	7'-7 1/2"	851.25	851.32	NONE
1	AC63	7'-7 1/2"	851.35	851.42	NONE
1	AC64	7'-7 1/2"	851.44	851.51	NONE
1	AC65	7'-7 1/2"	851.52	851.58	NONE

WALL "A" COPING SCHEDULE (CONT.)

QUANTITY	COPING NO.	LENGTH	ELEVATION LT.	ELEVATION RT.	FORM LINER
1	AC66	7'-7 1/2"	851.59	851.64	NONE
1	AC67	7'-7 1/2"	851.65	851.68	NONE
1	AC68	7'-7 1/2"	851.69	851.70	NONE
1	AC69	7'-7 1/2"	851.71	851.71	NONE
1	AC70	7'-7 1/2"	851.70	851.69	NONE
1	AC71	7'-7 1/2"	851.68	851.65	NONE
1	AC72	7'-7 1/2"	851.64	851.59	NONE
1	AC73	7'-7 1/2"	851.58	851.52	NONE
1	AC74	7'-7 1/2"	851.50	851.42	NONE
1	AC75	7'-7 1/2"	851.40	851.31	NONE
1	AC76	7'-7 1/2"	851.28	851.17	NONE
1	AC77	7'-7 1/2"	851.14	851.02	NONE
1	AC78	7'-7 1/2"	850.98	850.84	NONE
1	AC79	7'-7 1/2"	850.80	850.65	NONE
1	AC80	7'-7 1/2"	850.60	850.44	NONE
1	AC81	7'-7 1/2"	850.39	850.20	NONE
1	AC82	7'-7 1/2"	850.13	849.89	NONE
1	AC83	7'-7 1/2"	849.81	849.52	NONE
1	AC84	7'-7 1/2"	849.43	849.09	NONE
1	AC85	7'-7 1/2"	848.98	848.60	NONE
1	AC86	7'-7 1/2"	848.48	848.06	NONE
1	AC87	7'-7 1/2"	847.92	847.45	NONE
1	AC88	7'-7 1/2"	847.30	846.78	NONE
1	AC89	7'-7 1/2"	846.61	846.06	NONE
1	AC90	7'-7 1/2"	845.89	845.31	NONE
1	AC91	7'-7 1/2"	845.13	844.53	NONE
1	AC92	7'-7 1/2"	844.34	843.71	NONE
1	AC93	7'-7 1/2"	843.52	842.87	NONE
1	AC94	7'-7 1/2"	842.67	841.99	NONE
1	AC95	7'-7 1/2"	841.78	841.08	NONE
1	AC96	7'-7 1/2"	840.86	840.14	NONE
1	AC97	7'-7 1/2"	839.92	839.17	NONE
1	AC98	7'-7 1/2"	838.94	838.16	NONE
1	AC99	7'-7 1/2"	837.92	837.13	NONE
1	AC100	7'-7 1/2"	836.88	836.07	NONE
1	AC101	7'-7 1/2"	835.82	835.01	NONE
1	AC102	7'-7 1/2"	834.76	833.96	NONE
1	AC103	7'-7 1/2"	833.71	832.90	NONE
1	AC104	7'-7 1/2"	832.65	831.84	NONE
1	AC105	7'-7 1/2"	831.60	830.79	NONE
1	AC106	7'-7 1/2"	830.54	829.73	NONE
1	AC107	7'-7 1/2"	829.48	828.68	NONE
1	AC108	7'-7 1/2"	828.43	827.62	NONE
1	AC109	7'-7 1/2"	827.37	826.56	NONE
1	AC110	7'-7 1/2"	826.32	825.51	NONE
1	AC111	7'-7 1/2"	825.26	824.45	NONE
1	AC112	7'-7 1/2"	824.20	823.40	NONE
1	AC113	7'-7 1/2"	823.15	822.34	NONE
1	AC114	7'-7 1/2"	822.09	821.28	NONE
1	AC115	7'-7 1/2"	821.04	820.23	NONE
1	AC116	7'-7 1/2"	819.98	819.17	NONE
1	AC117	7'-7 1/2"	818.92	818.12	NONE
1	AC118	7'-7 1/2"	817.87	817.26	NONE
1	AC119	7'-7 1/2"	817.20	816.99	NONE
1	AC120	7'-7 1/2"	816.92	816.72	NONE
1	AC121	7'-7 1/2"	816.65	816.45	NONE
1	AC122	7'-7 1/2"	816.38	816.04	NONE
122					

BEFORE YOU DIG 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

WALL 'A' COPING SCHEDULE

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 2025
DESIGNED
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED 7-25
DESIGN MANAGER

APPROVED:
CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S26 OF 268 SHEETS

WALL "A" PILE CAP SCHEDULE

QUANTITY	COPING NO.	LENGTH	ELEVATION LT.	ELEVATION RT.	FORM LINER
1	APC1	2'-3 1/2"	805.73	806.05	NONE
1	APC2	2'-3 1/2"	807.13	807.45	NONE
1	APC3	2'-3 1/2"	808.54	808.86	NONE
1	APC4	2'-3 1/2"	809.94	810.26	NONE
1	APC5	2'-3 1/2"	811.34	811.66	NONE
1	APC6	2'-3 1/2"	812.74	813.07	NONE
1	APC7	2'-3 1/2"	814.15	814.47	NONE
1	APC8	2'-3 1/2"	815.55	815.87	NONE
1	APC9	2'-3 1/2"	816.95	817.27	NONE
1	APC10	2'-3 1/2"	818.36	818.68	NONE
1	APC11	2'-3 1/2"	819.76	820.08	NONE
1	APC12	2'-3 1/2"	821.15	821.47	NONE
1	APC13	2'-3 1/2"	822.51	822.82	NONE
1	APC14	2'-3 1/2"	823.85	824.15	NONE
1	APC15	2'-3 1/2"	825.15	825.45	NONE
1	APC16	2'-3 1/2"	826.43	826.72	NONE
1	APC17	2'-3 1/2"	827.68	827.96	NONE
1	APC18	2'-3 1/2"	828.90	829.17	NONE
1	APC19	2'-3 1/2"	830.09	830.35	NONE
1	APC20	2'-3 1/2"	831.25	831.51	NONE
1	APC21	2'-3 1/2"	832.38	832.63	NONE
1	APC22	2'-3 1/2"	833.48	833.73	NONE
1	APC23	2'-3 1/2"	834.56	834.80	NONE
1	APC24	2'-3 1/2"	835.60	835.84	NONE
1	APC25	2'-3 1/2"	836.62	836.85	NONE
1	APC26	2'-3 1/2"	837.60	837.83	NONE
1	APC27	2'-3 1/2"	838.56	838.78	NONE
1	APC28	2'-3 1/2"	839.49	839.71	NONE
1	APC29	2'-3 1/2"	840.39	840.59	NONE
1	APC30	2'-3 1/2"	841.24	841.42	NONE
1	APC31	2'-3 1/2"	842.03	842.21	NONE
1	APC32	2'-3 1/2"	842.78	842.94	NONE
1	APC33	2'-3 1/2"	843.47	843.63	NONE
1	APC34	2'-3 1/2"	844.12	844.26	NONE
1	APC35	2'-3 1/2"	844.72	844.85	NONE
1	APC36	2'-3 1/2"	845.26	845.38	NONE
1	APC37	2'-3 1/2"	845.76	845.87	NONE
1	APC38	2'-3 1/2"	846.21	846.31	NONE
1	APC39	2'-3 1/2"	846.61	846.69	NONE
1	APC40	2'-3 1/2"	846.96	847.03	NONE
1	APC41	2'-3 1/2"	847.26	847.32	NONE
1	APC42	2'-3 1/2"	847.53	847.59	NONE
1	APC43	2'-3 1/2"	847.79	847.84	NONE
1	APC44	2'-3 1/2"	848.04	848.09	NONE
1	APC45	2'-3 1/2"	848.28	848.33	NONE
1	APC46	2'-3 1/2"	848.52	848.57	NONE
1	APC47	2'-3 1/2"	848.74	848.79	NONE
1	APC48	2'-3 1/2"	848.96	849.01	NONE
1	APC49	2'-3 1/2"	849.18	849.22	NONE
1	APC50	2'-3 1/2"	849.38	849.43	NONE
1	APC51	2'-3 1/2"	849.58	849.62	NONE
1	APC52	2'-3 1/2"	849.77	849.81	NONE
1	APC53	2'-3 1/2"	849.95	849.99	NONE
1	APC54	2'-3 1/2"	850.12	850.16	NONE
1	APC55	2'-3 1/2"	850.28	850.32	NONE
1	APC56	2'-3 1/2"	850.44	850.48	NONE
1	APC57	2'-3 1/2"	850.59	850.62	NONE
1	APC58	2'-3 1/2"	850.73	850.76	NONE
1	APC59	2'-3 1/2"	850.87	850.90	NONE
1	APC60	2'-3 1/2"	850.99	851.02	NONE
1	APC61	2'-3 1/2"	851.11	851.14	NONE
1	APC62	2'-3 1/2"	851.22	851.25	NONE
1	APC63	2'-3 1/2"	851.32	851.35	NONE
1	APC64	2'-3 1/2"	851.42	851.44	NONE
1	APC65	2'-3 1/2"	851.51	851.52	NONE

WALL "A" PILE CAP SCHEDULE (CONT.)

QUANTITY	COPING NO.	LENGTH	ELEVATION LT.	ELEVATION RT.	FORM LINER
1	APC66	2'-3 1/2"	851.58	851.59	NONE
1	APC67	2'-3 1/2"	851.64	851.65	NONE
1	APC68	2'-3 1/2"	851.68	851.69	NONE
1	APC69	2'-3 1/2"	851.70	851.71	NONE
1	APC70	2'-3 1/2"	851.71	851.70	NONE
1	APC71	2'-3 1/2"	851.69	851.68	NONE
1	APC72	2'-3 1/2"	851.65	851.64	NONE
1	APC73	2'-3 1/2"	851.59	851.58	NONE
1	APC74	2'-3 1/2"	851.52	851.50	NONE
1	APC75	2'-3 1/2"	851.42	851.40	NONE
1	APC76	2'-3 1/2"	851.31	851.28	NONE
1	APC77	2'-3 1/2"	851.17	851.14	NONE
1	APC78	2'-3 1/2"	851.02	850.98	NONE
1	APC79	2'-3 1/2"	850.84	850.80	NONE
1	APC80	2'-3 1/2"	850.65	850.60	NONE
1	APC81	2'-3 1/2"	850.44	850.39	NONE
1	APC82	2'-3 1/2"	850.20	850.13	NONE
1	APC83	2'-3 1/2"	849.89	849.81	NONE
1	APC84	2'-3 1/2"	849.52	849.43	NONE
1	APC85	2'-3 1/2"	849.09	848.99	NONE
1	APC86	2'-3 1/2"	848.60	848.48	NONE
1	APC87	2'-3 1/2"	848.05	847.92	NONE
1	APC88	2'-3 1/2"	847.45	847.30	NONE
1	APC89	2'-3 1/2"	846.78	846.61	NONE
1	APC90	2'-3 1/2"	846.06	845.89	NONE
1	APC91	2'-3 1/2"	845.31	845.13	NONE
1	APC92	2'-3 1/2"	844.53	844.34	NONE
1	APC93	2'-3 1/2"	843.71	843.52	NONE
1	APC94	2'-3 1/2"	842.87	842.67	NONE
1	APC95	2'-3 1/2"	841.99	841.78	NONE
1	APC96	2'-3 1/2"	841.08	840.87	NONE
1	APC97	2'-3 1/2"	840.14	839.92	NONE
1	APC98	2'-3 1/2"	839.17	838.94	NONE
1	APC99	2'-3 1/2"	838.16	837.93	NONE
1	APC100	2'-3 1/2"	837.12	836.88	NONE
1	APC101	2'-3 1/2"	836.06	835.82	NONE
1	APC102	2'-3 1/2"	835.01	834.77	NONE
1	APC103	2'-3 1/2"	833.95	833.71	NONE
1	APC104	2'-3 1/2"	832.90	832.66	NONE
1	APC105	2'-3 1/2"	831.84	831.60	NONE
1	APC106	2'-3 1/2"	830.78	830.54	NONE
1	APC107	2'-3 1/2"	829.73	829.49	NONE
1	APC108	2'-3 1/2"	828.67	828.43	NONE
1	APC109	2'-3 1/2"	827.62	827.38	NONE
1	APC110	2'-3 1/2"	826.56	826.32	NONE
1	APC111	2'-3 1/2"	825.50	825.26	NONE
1	APC112	2'-3 1/2"	824.45	824.21	NONE
1	APC113	2'-3 1/2"	823.39	823.15	NONE
1	APC114	2'-3 1/2"	822.34	822.10	NONE
1	APC115	2'-3 1/2"	821.28	821.04	NONE
1	APC116	2'-3 1/2"	820.22	819.98	NONE
1	APC117	2'-3 1/2"	819.17	818.93	NONE
1	APC118	2'-3 1/2"	818.11	817.87	NONE
1	APC119	2'-3 1/2"	817.26	817.20	NONE
1	APC120	2'-3 1/2"	816.99	816.92	NONE
1	APC121	2'-3 1/2"	816.72	816.65	NONE
1	APC122	2'-3 1/2"	816.44	816.38	NONE
1	APC123	2'-3 1/2"	816.04	815.98	NONE
123					

BEFORE YOU DIG 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA ENRICH 32024 OKLAHOMA

Samantha Enrich 7-1-25

WALL 'A' PILE CAP SCHEDULE

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

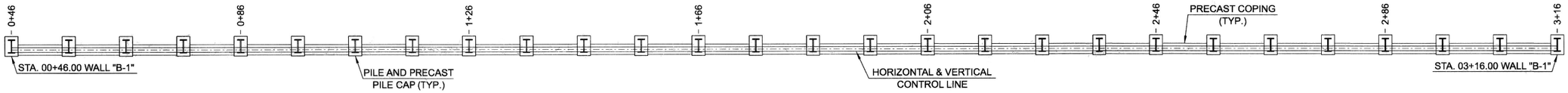
REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: HORIZONTAL: 1" = N/A VERTICAL: 1" = N/A

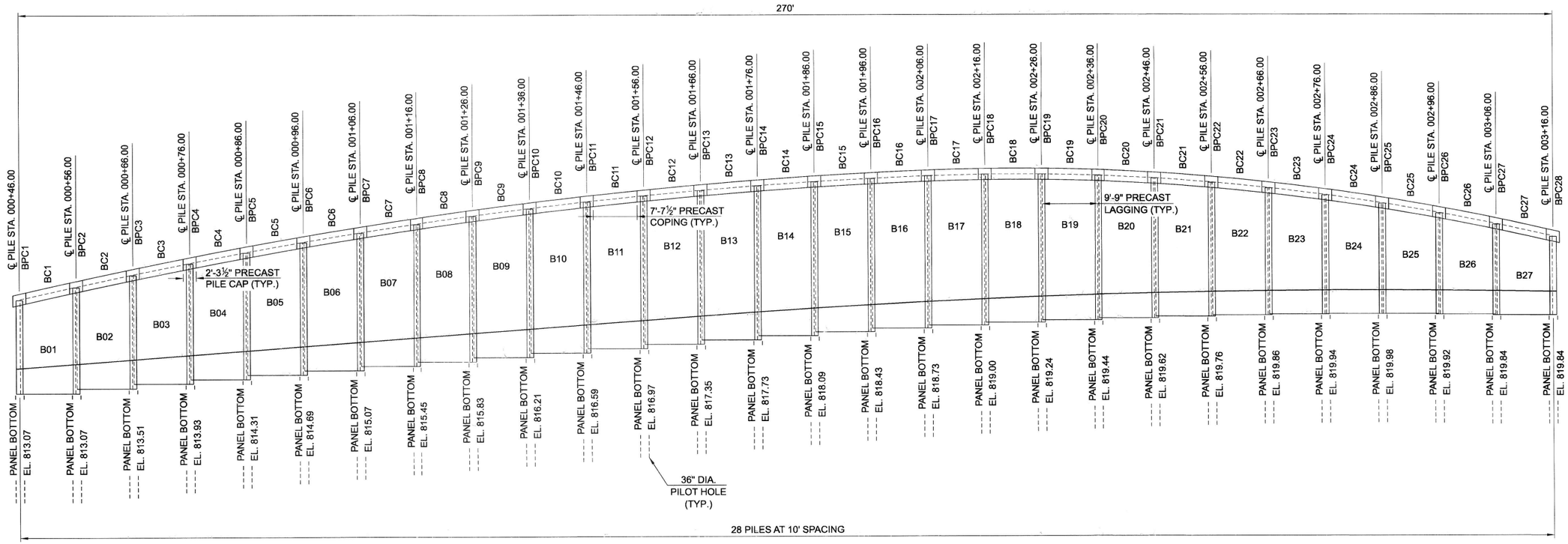
DRAWN	POE	2025
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED DESIGN MANAGER		7-25

APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S27 OF 268 SHEETS



RETAINING WALL - PLAN VIEW



RETAINING WALL - FRONT FACE ELEVATION

ELEVATION VIEW LEGEND:

---------- FINISHED GRADE IN FRONT OF WALL

BEFORE YOU DIG CALL OKIE 811

Samantha Henrich 7-7-25

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

WALL 'B-1' PANEL DETAILS

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE	2025
	DESIGNED		
	SURVEY		
PROFILE SCALE:	PROJ. MGR.		6/25
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25
	FIELD MGR.		6/25
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER	HA	7-25
FILE: H:\21-1009	DRAWING:		
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		

APPROVED:

CITY ENGINEER

DATE: 7/3/2025

SHEET S28 OF 268 SHEETS

WALL "B-1" PANEL SCHEDULE

QUANTITY	PANEL NO.	A	B	C	PANEL AREA (SF)	VERTICAL PANEL REINF.	HORIZONTAL PANEL REINF.	PANEL THICK (IN)	FORM LINER
1	B01	8'-4 5/8"	9'-5 7/8"	9'-9"	87.14	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B02	9'-1"	10'-1 5/8"	9'-9"	93.69	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B03	9'-8 7/8"	10'-8 3/4"	9'-9"	99.79	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B04	10'-4 3/8"	11'-3 5/8"	9'-9"	105.63	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B05	10'-11 1/4"	11'-9 3/4"	9'-9"	110.91	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B06	11'-5 1/2"	12'-3 1/4"	9'-9"	115.68	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B07	11'-10 7/8"	12'-7 7/8"	9'-9"	119.74	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B08	12'-3 5/8"	13'-0"	9'-9"	123.35	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B09	12'-7 5/8"	13'-3 1/4"	9'-9"	126.29	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B10	12'-10 7/8"	13'-5 3/4"	9'-9"	128.63	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B11	13'-1 3/8"	13'-7 1/2"	9'-9"	130.36	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B12	13'-3 1/8"	13'-8 5/8"	9'-9"	131.52	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B13	13'-4 1/4"	13'-9"	9'-9"	132.13	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B14	13'-4 3/4"	13'-8 7/8"	9'-9"	132.29	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B15	13'-4 7/8"	13'-8 1/4"	9'-9"	132.08	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B16	13'-4 3/4"	13'-7 1/4"	9'-9"	131.63	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B17	13'-4 1/8"	13'-5 5/8"	9'-9"	130.71	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B18	13'-2 7/8"	13'-2 7/8"	9'-9"	129.09	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B19	13'-0 3/8"	12'-11"	9'-9"	126.50	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B20	12'-8 7/8"	12'-6"	9'-9"	123.04	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B21	12'-4 1/4"	11'-11 7/8"	9'-9"	118.68	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B22	11'-10 1/2"	11'-4 5/8"	9'-9"	113.39	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B23	11'-3 5/8"	10'-8 3/8"	9'-9"	107.25	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B24	10'-7 3/4"	9'-11"	9'-9"	100.24	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B25	9'-10 3/4"	9'-0 5/8"	9'-9"	92.37	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B26	9'-1"	8'-1 3/8"	9'-9"	83.84	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	B27	8'-2"	7'-0 7/8"	9'-9"	74.29	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
27					3101				



PANEL DIMENSIONS

PANEL NOTES:

PANEL DIMENSIONS AS GIVEN ARE CONCRETE FACE OUT TO OUT. ACTUAL CENTERLINE OF JOINT TO CENTERLINE OF JOINT WILL VARY. (SEE DETAILS)

PANEL THICKNESS SHOWN DOES NOT INCLUDE PANEL FINISH.

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA H. ULRICH 32024 OKLAHOMA 7-7-25

REVISION	BY	DATE

WALL 'B-1' PANEL SCHEDULE

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A	DRAWN	POE	2025	APPROVED:
	DESIGNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER		7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET S29 OF 288 SHEETS

WALL "B-1" COPING SCHEDULE

QUANTITY	COPING NO.	LENGTH	ELEVATION LT.	ELEVATION RT.	FORM LINER
1	BC1	7'-7 1/2"	822.08	822.95	NONE
1	BC2	7'-7 1/2"	823.21	824.03	NONE
1	BC3	7'-7 1/2"	824.27	825.05	NONE
1	BC4	7'-7 1/2"	825.28	826.01	NONE
1	BC5	7'-7 1/2"	826.23	826.92	NONE
1	BC6	7'-7 1/2"	827.12	827.76	NONE
1	BC7	7'-7 1/2"	827.94	828.54	NONE
1	BC8	7'-7 1/2"	828.71	829.25	NONE
1	BC9	7'-7 1/2"	829.41	829.91	NONE
1	BC10	7'-7 1/2"	830.06	830.51	NONE
1	BC11	7'-7 1/2"	830.64	831.05	NONE
1	BC12	7'-7 1/2"	831.16	831.52	NONE
1	BC13	7'-7 1/2"	831.63	831.94	NONE
1	BC14	7'-7 1/2"	832.03	832.29	NONE
1	BC15	7'-7 1/2"	832.37	832.59	NONE
1	BC16	7'-7 1/2"	832.65	832.82	NONE
1	BC17	7'-7 1/2"	832.87	832.97	NONE
1	BC18	7'-7 1/2"	832.98	832.99	NONE
1	BC19	7'-7 1/2"	832.97	832.88	NONE
1	BC20	7'-7 1/2"	832.84	832.65	NONE
1	BC21	7'-7 1/2"	832.57	832.29	NONE
1	BC22	7'-7 1/2"	832.19	831.81	NONE
1	BC23	7'-7 1/2"	831.68	831.20	NONE
1	BC24	7'-7 1/2"	831.05	830.47	NONE
1	BC25	7'-7 1/2"	830.29	829.62	NONE
1	BC26	7'-7 1/2"	829.40	828.64	NONE
1	BC27	7'-7 1/2"	828.40	827.54	NONE
27					

WALL "B-1" PILE CAP SCHEDULE

QUANTITY	COPING NO.	LENGTH	ELEVATION LT.	ELEVATION RT.	FORM LINER
1	BPC1	2'-3 1/2"	821.81	822.07	NONE
1	BPC2	2'-3 1/2"	822.95	823.20	NONE
1	BPC3	2'-3 1/2"	824.03	824.27	NONE
1	BPC4	2'-3 1/2"	825.05	825.28	NONE
1	BPC5	2'-3 1/2"	826.02	826.23	NONE
1	BPC6	2'-3 1/2"	826.92	827.11	NONE
1	BPC7	2'-3 1/2"	827.76	827.94	NONE
1	BPC8	2'-3 1/2"	828.54	828.71	NONE
1	BPC9	2'-3 1/2"	829.26	829.41	NONE
1	BPC10	2'-3 1/2"	829.91	830.06	NONE
1	BPC11	2'-3 1/2"	830.51	830.64	NONE
1	BPC12	2'-3 1/2"	831.05	831.16	NONE
1	BPC13	2'-3 1/2"	831.52	831.62	NONE
1	BPC14	2'-3 1/2"	831.94	832.03	NONE
1	BPC15	2'-3 1/2"	832.29	832.37	NONE
1	BPC16	2'-3 1/2"	832.59	832.65	NONE
1	BPC17	2'-3 1/2"	832.82	832.87	NONE
1	BPC18	2'-3 1/2"	832.97	832.98	NONE
1	BPC19	2'-3 1/2"	832.99	832.97	NONE
1	BPC20	2'-3 1/2"	832.88	832.84	NONE
1	BPC21	2'-3 1/2"	832.65	832.58	NONE
1	BPC22	2'-3 1/2"	832.29	832.19	NONE
1	BPC23	2'-3 1/2"	831.81	831.68	NONE
1	BPC24	2'-3 1/2"	831.20	831.05	NONE
1	BPC25	2'-3 1/2"	830.47	830.29	NONE
1	BPC26	2'-3 1/2"	829.62	829.41	NONE
1	BPC27	2'-3 1/2"	828.64	828.40	NONE
1	BPC28	2'-3 1/2"	827.54	827.27	NONE
28					

BEFORE YOU DIG 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

Samantha Henrich 7-1-25

WALL 'B-1' COPING AND PILE CAP SCHEDULE

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

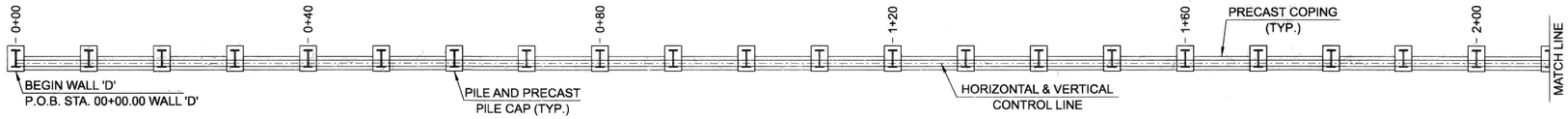
PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 2025
DESIGNED
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/26/25
RECOMMENDED: HAS 7-2-25
DESIGN MANAGER

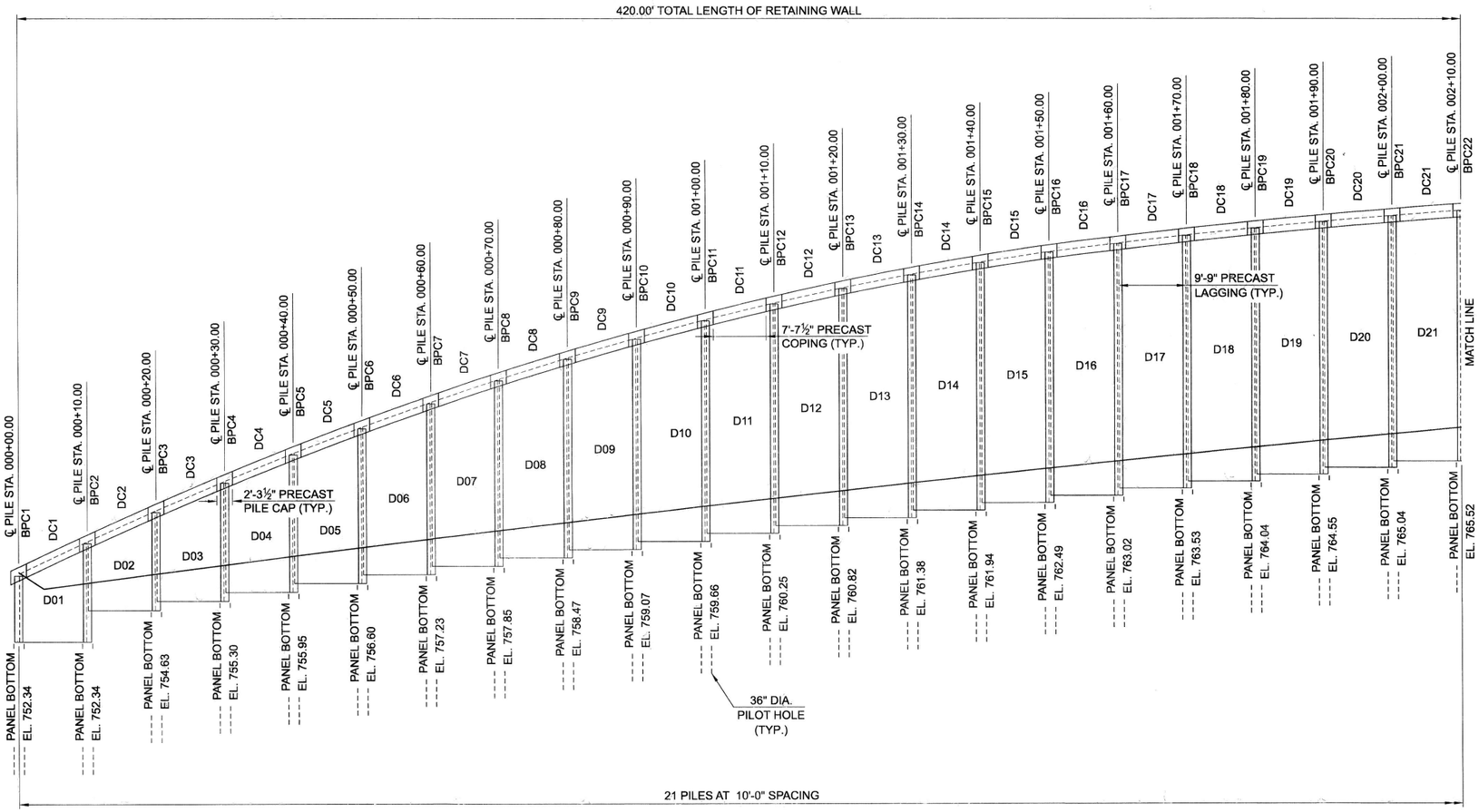
APPROVED:
CITY ENGINEER

FILE: H:\21-1009 DRAWING:
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

DATE: 7/3/2025
SHEET S30 OF 288 SHEETS



RETAINING WALL - PLAN VIEW



RETAINING WALL - FRONT FACE ELEVATION

ELEVATION VIEW LEGEND:

---------- FINISHED GRADE IN FRONT OF WALL

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

Samantha Henrich 7/17/25

WALL 'D' PANEL DETAILS (1)

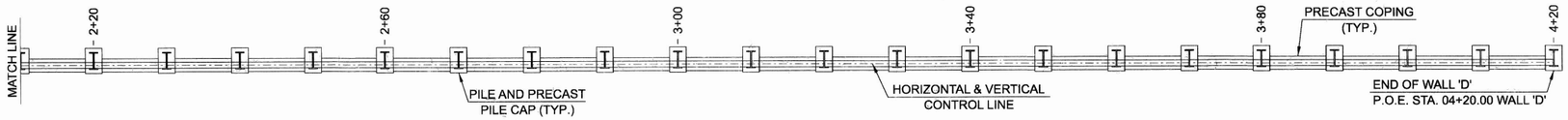
ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

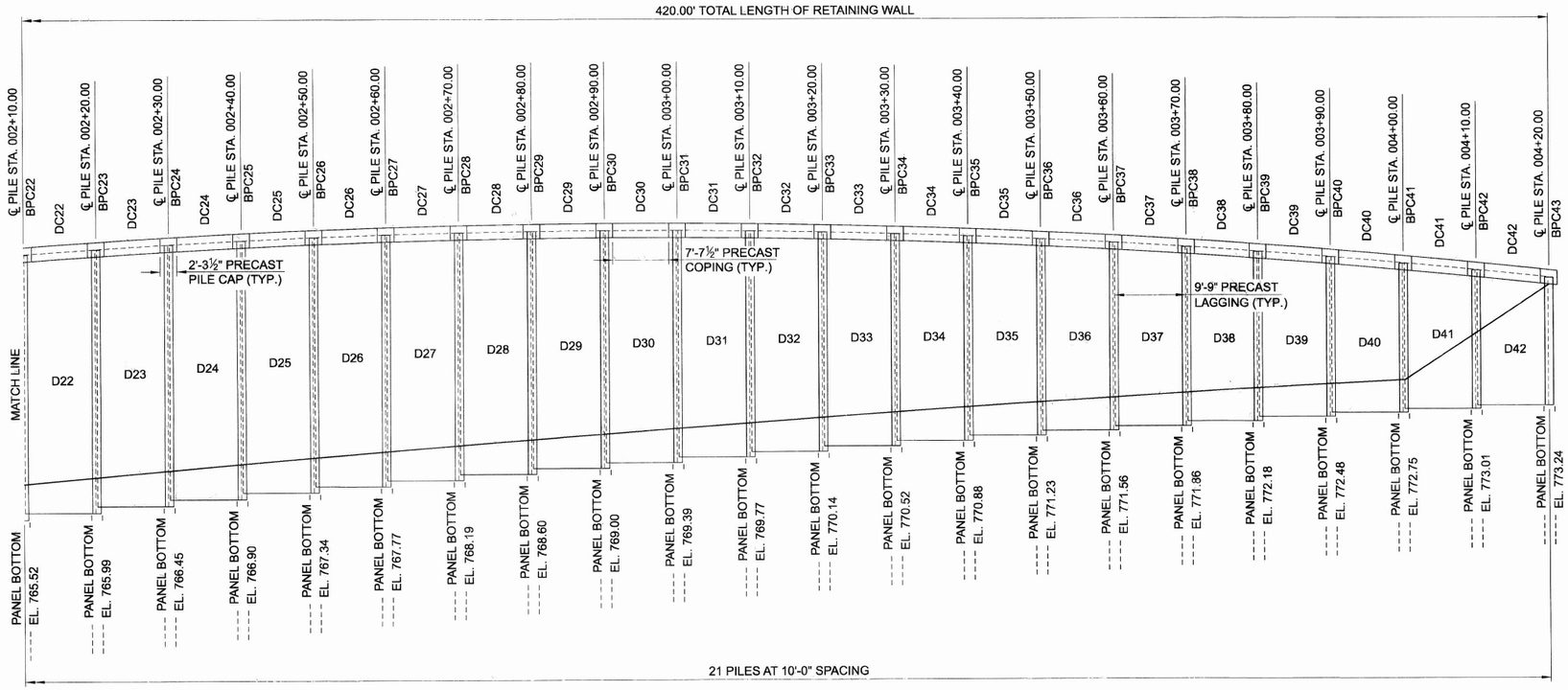
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE 2025	APPROVED:
	DESIGNED		
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	7/16/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.	7/16/25	
	FIELD MGR.	7/16/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER	7/17/25	CITY ENGINEER
FILE: H:\21-1009	DRAWING:		DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET S31 OF 288 SHEETS



RETAINING WALL - PLAN VIEW



RETAINING WALL - FRONT FACE ELEVATION

ELEVATION VIEW LEGEND:

---------- FINISHED GRADE IN FRONT OF WALL

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

Samantha Henrich 7-25

WALL 'D' PANEL DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

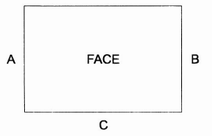
PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE 2025	APPROVED:
	DESIGNED		
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	DJO 6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.	DJO 6/25	
	FIELD MGR.	DJO 6/25	
VERTICAL 1" = N/A	RECOMMENDED:	HAI 7-25	
	DESIGN MANAGER		CITY ENGINEER
FILE: H:\21-1009	DRAWING:		DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET S32 OF 268 SHEETS

WALL "D" PANEL SCHEDULE

QUANTITY	PANEL NO.	A	B	C	PANEL AREA (SF)	VERTICAL PANEL REINF.	HORIZONTAL PANEL REINF.	PANEL THICK (IN)	FORM LINER
1	D01	5'-0"	7'-3 3/4"	9'-9"	60.02	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D02	5'-1"	7'-3 1/2"	9'-9"	60.33	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D03	6'-8 1/8"	8'-9 1/4"	9'-9"	75.31	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D04	8'-2"	10'-1 7/8"	9'-9"	89.32	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D05	9'-6 3/4"	11'-5 1/8"	9'-9"	102.32	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D06	10'-10 1/8"	12'-7 1/4"	9'-9"	114.31	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D07	12'-0 3/8"	13'-8"	9'-9"	125.28	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D08	13'-1 1/8"	14'-7 5/8"	9'-9"	135.18	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D09	14' -0 7/8"	15'-5 3/4"	9'-9"	143.36	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D10	14'-11 1/8"	16'-2 7/8"	9'-9"	151.94	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D11	15'-8 1/4"	16'-10 1/2"	9'-9"	158.74	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D12	16'-4"	17'-5 1/8"	9'-9"	164.58	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D13	16'-10 5/8"	17'-10 1/4"	9'-9"	169.36	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D14	17'-3 7/8"	18'-2 1/4"	9'-9"	173.11	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D15	17'-8"	18'-4 7/8"	9'-9"	175.86	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D16	17'-10 5/8"	18'-6"	9'-9"	177.38	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D17	18'-0"	18'-6 7/8"	9'-9"	178.29	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D18	18'-1"	18'-7 1/8"	9'-9"	178.80	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D19	18'-1 1/8"	18'-6 3/4"	9'-9"	178.70	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D20	18'-1"	18'-6 1/8"	9'-9"	178.39	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D21	18'-0 1/2"	18'-5 1/8"	9'-9"	177.79	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D22	17'-11 5/8"	18'-3 3/4"	9'-9"	176.87	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D23	17'-10 1/4"	18'-1 7/8"	9'-9"	175.55	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D24	17'-8 1/2"	17'-11 5/8"	9'-9"	173.93	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D25	17'-6 1/2"	17'-9"	9'-9"	172.05	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D26	17'-3 7/8"	17'-6"	9'-9"	169.76	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D27	17'-1"	17'-2 5/8"	9'-9"	167.22	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D28	16'-9 5/8"	16'-10 3/4"	9'-9"	164.28	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D29	16'-6"	16'-6 1/2"	9'-9"	161.08	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D30	16'-1 7/8"	16'-1 7/8"	9'-9"	157.52	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D31	15'-9 1/4"	15'-8 3/4"	9'-9"	153.56	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D32	15'-4 1/4"	15'-3 1/4"	9'-9"	149.30	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D33	14'-10 3/4"	14'-9 1/4"	9'-9"	144.63	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D34	14'-4 7/8"	14'-2 7/8"	9'-9"	139.65	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D35	13'-10 5/8"	13'-8"	9'-9"	134.32	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D36	13'-4"	13'-1"	9'-9"	128.78	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D37	12'-9 1/4"	12'-5 3/4"	9'-9"	123.09	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D38	12'-1 3/4"	11'-9 3/4"	9'-9"	116.80	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D39	11'-6"	11'-1 3/8"	9'-9"	110.25	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D40	10'-9 7/8"	10'-4 7/8"	9'-9"	103.49	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D41	10'-1 5/8"	9'-8"	9'-9"	96.54	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
1	D42	9'-5 1/8"	8'-11"	9'-9"	89.43	#6 @ 12" EACH WAY	#6 @ 12" BACK, #6 @9" FRONT	10	RUSTIC ASHLAR
42					5977				



PANEL DIMENSIONS

PANEL NOTES:

PANEL DIMENSIONS AS GIVEN ARE CONCRETE FACE OUT TO OUT. ACTUAL CENTERLINE OF JOINT TO CENTERLINE OF JOINT WILL VARY. (SEE DETAILS)

PANEL THICKNESS SHOWN DOES NOT INCLUDE PANEL FINISH.

BEFORE YOU DIG 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

REVISION	BY	DATE

WALL 'D' PANEL SCHEDULE

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A	DRAWN	POE 2025		APPROVED:
	DESIGNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		7/30 6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED:	HA 7-25		
	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/30/2025
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75			SHEET S33 OF 268 SHEETS

WALL "D" COPING SCHEDULE

QUANTITY	COPING NO.	LENGTH	ELEVATION LT.	ELEVATION RT.	FORM LINER
1	DC1	7'-7 1/2"	758.09	759.92	NONE
1	DC2	7'-7 1/2"	760.46	762.20	NONE
1	DC3	7'-7 1/2"	762.71	764.36	NONE
1	DC4	7'-7 1/2"	764.85	766.41	NONE
1	DC5	7'-7 1/2"	766.87	768.34	NONE
1	DC6	7'-7 1/2"	768.78	770.16	NONE
1	DC7	7'-7 1/2"	770.57	771.86	NONE
1	DC8	7'-7 1/2"	772.24	773.45	NONE
1	DC9	7'-7 1/2"	773.80	774.92	NONE
1	DC10	7'-7 1/2"	775.25	776.28	NONE
1	DC11	7'-7 1/2"	776.58	777.52	NONE
1	DC12	7'-7 1/2"	777.79	778.64	NONE
1	DC13	7'-7 1/2"	778.89	779.65	NONE
1	DC14	7'-7 1/2"	779.87	780.54	NONE
1	DC15	7'-7 1/2"	780.74	781.32	NONE
1	DC16	7'-7 1/2"	781.49	781.99	NONE
1	DC17	7'-7 1/2"	782.12	782.56	NONE
1	DC18	7'-7 1/2"	782.69	783.09	NONE
1	DC19	7'-7 1/2"	783.21	783.58	NONE
1	DC20	7'-7 1/2"	783.68	784.02	NONE
1	DC21	7'-7 1/2"	784.12	784.42	NONE
1	DC22	7'-7 1/2"	784.51	784.78	NONE
1	DC23	7'-7 1/2"	784.85	785.09	NONE
1	DC24	7'-7 1/2"	785.16	785.36	NONE
1	DC25	7'-7 1/2"	785.42	785.58	NONE
1	DC26	7'-7 1/2"	785.63	785.77	NONE
1	DC27	7'-7 1/2"	785.80	785.90	NONE
1	DC28	7'-7 1/2"	785.93	786.00	NONE
1	DC29	7'-7 1/2"	786.01	786.05	NONE
1	DC30	7'-7 1/2"	786.05	786.05	NONE
1	DC31	7'-7 1/2"	786.05	786.02	NONE
1	DC32	7'-7 1/2"	786.00	785.94	NONE
1	DC33	7'-7 1/2"	785.91	785.81	NONE
1	DC34	7'-7 1/2"	785.78	785.64	NONE
1	DC35	7'-7 1/2"	785.60	785.43	NONE
1	DC36	7'-7 1/2"	785.38	785.18	NONE
1	DC37	7'-7 1/2"	785.11	784.88	NONE
1	DC38	7'-7 1/2"	784.80	784.53	NONE
1	DC39	7'-7 1/2"	784.45	784.15	NONE
1	DC40	7'-7 1/2"	784.05	783.72	NONE
1	DC41	7'-7 1/2"	783.61	783.24	NONE
1	DC42	7'-7 1/2"	783.12	782.72	NONE
42					

WALL "D" PILE CAP SCHEDULE

QUANTITY	COPING NO.	LENGTH	ELEVATION LT.	ELEVATION RT.	FORM LINER
1	DPC1	2'-3 1/2"	757.53	758.09	NONE
1	DPC2	2'-3 1/2"	759.92	760.46	NONE
1	DPC3	2'-3 1/2"	762.20	762.71	NONE
1	DPC4	2'-3 1/2"	764.37	764.85	NONE
1	DPC5	2'-3 1/2"	766.42	766.87	NONE
1	DPC6	2'-3 1/2"	768.35	768.77	NONE
1	DPC7	2'-3 1/2"	770.17	770.57	NONE
1	DPC8	2'-3 1/2"	771.87	772.24	NONE
1	DPC9	2'-3 1/2"	773.45	773.80	NONE
1	DPC10	2'-3 1/2"	774.92	775.24	NONE
1	DPC11	2'-3 1/2"	776.28	776.57	NONE
1	DPC12	2'-3 1/2"	777.52	777.79	NONE
1	DPC13	2'-3 1/2"	778.64	778.89	NONE
1	DPC14	2'-3 1/2"	779.65	779.87	NONE
1	DPC15	2'-3 1/2"	780.55	780.74	NONE
1	DPC16	2'-3 1/2"	781.32	781.49	NONE
1	DPC17	2'-3 1/2"	781.99	782.12	NONE
1	DPC18	2'-3 1/2"	782.56	782.68	NONE
1	DPC19	2'-3 1/2"	783.09	783.21	NONE
1	DPC20	2'-3 1/2"	783.58	783.68	NONE
1	DPC21	2'-3 1/2"	784.02	784.12	NONE
1	DPC22	2'-3 1/2"	784.42	784.51	NONE
1	DPC23	2'-3 1/2"	784.78	784.85	NONE
1	DPC24	2'-3 1/2"	785.09	785.16	NONE
1	DPC25	2'-3 1/2"	785.36	785.41	NONE
1	DPC26	2'-3 1/2"	785.58	785.63	NONE
1	DPC27	2'-3 1/2"	785.77	785.80	NONE
1	DPC28	2'-3 1/2"	785.90	785.93	NONE
1	DPC29	2'-3 1/2"	786.00	786.01	NONE
1	DPC30	2'-3 1/2"	786.05	786.05	NONE
1	DPC31	2'-3 1/2"	786.05	786.05	NONE
1	DPC32	2'-3 1/2"	786.02	786.00	NONE
1	DPC33	2'-3 1/2"	785.94	785.91	NONE
1	DPC34	2'-3 1/2"	785.81	785.78	NONE
1	DPC35	2'-3 1/2"	785.64	785.60	NONE
1	DPC36	2'-3 1/2"	785.43	785.38	NONE
1	DPC37	2'-3 1/2"	785.18	785.11	NONE
1	DPC38	2'-3 1/2"	784.88	784.80	NONE
1	DPC39	2'-3 1/2"	784.53	784.45	NONE
1	DPC40	2'-3 1/2"	784.15	784.05	NONE
1	DPC41	2'-3 1/2"	783.71	783.61	NONE
1	DPC42	2'-3 1/2"	783.24	783.13	NONE
1	DPC43	2'-3 1/2"	782.72	782.60	NONE
43					

BEFORE YOU DIG 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA ENRICH 32024 OKLAHOMA

7-7-25

WALL 'D' COPING AND PILE CAP SCHEDULE

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

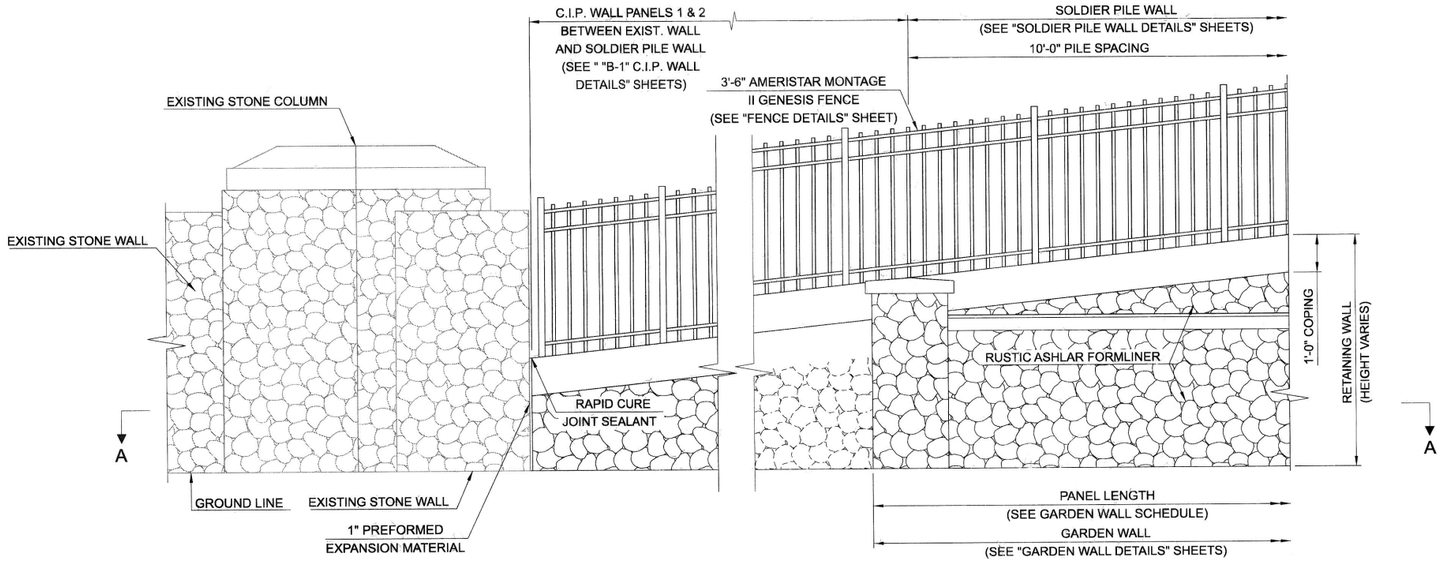
REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	7/2025
DESIGNED		
SURVEY		
PROJ. MGR.	DJQ	6/25
LEAD ENGR.	CJ	6/25
FIELD MGR.		6/25
RECOMMENDED: DESIGN MANAGER	HRI	7-25

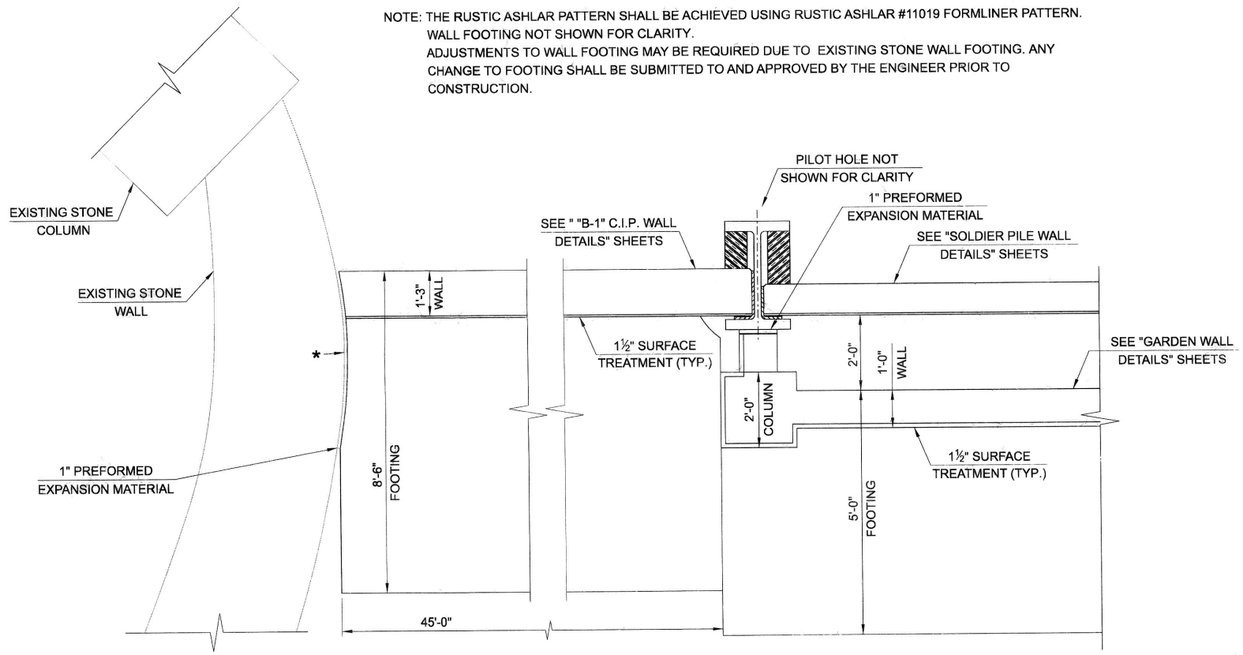
APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S34 OF 268 SHEETS



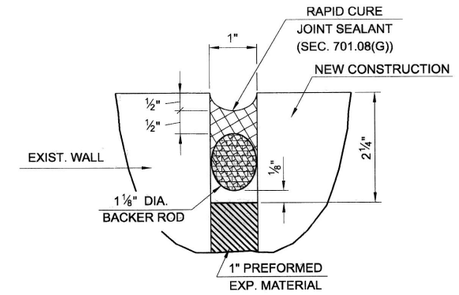
RETAINING WALL AND GARDEN WALL TO EXISTING STRUCTURE DETAIL (SOUTH END OF WALL B-1)

NOTE: THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.
WALL FOOTING NOT SHOWN FOR CLARITY.
ADJUSTMENTS TO WALL FOOTING MAY BE REQUIRED DUE TO EXISTING STONE WALL FOOTING. ANY CHANGE TO FOOTING SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.



SECTION A-A

* FOOTING AND WALLS SHALL BE SEPARTED BY 1" FROM EXISTING STONE WALL.



DETAIL OF RAPID CURE JOINT

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

WALLS "B-1" AND "B-2" TRANSITION DETAILS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	2025	APPROVED:
DESIGNED			
SURVEY			
PROJ. MGR.		6/25	
LEAD ENGR.		6/25	
FIELD MGR.		6/25	
RECOMMENDED: DESIGN MANAGER	HK	7-25	CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S35 OF 268 SHEETS

6/13/2025 11:29:32 AM
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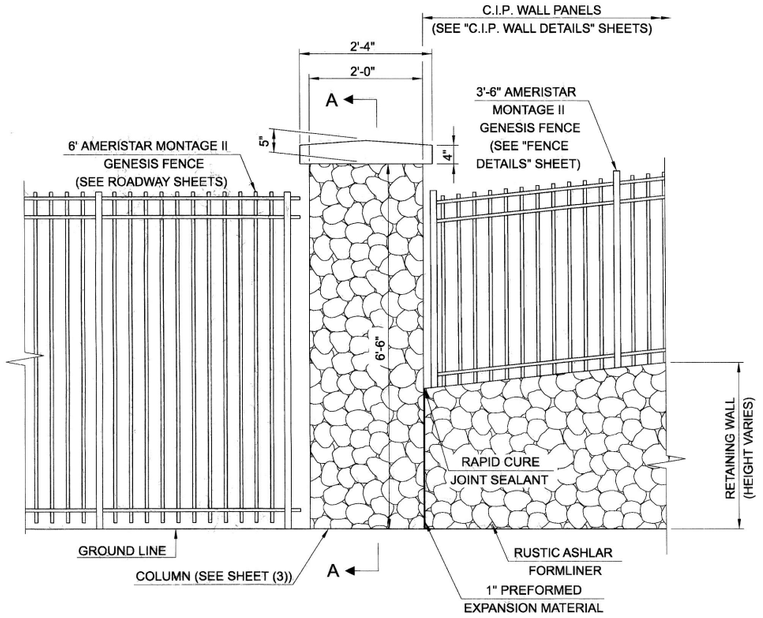
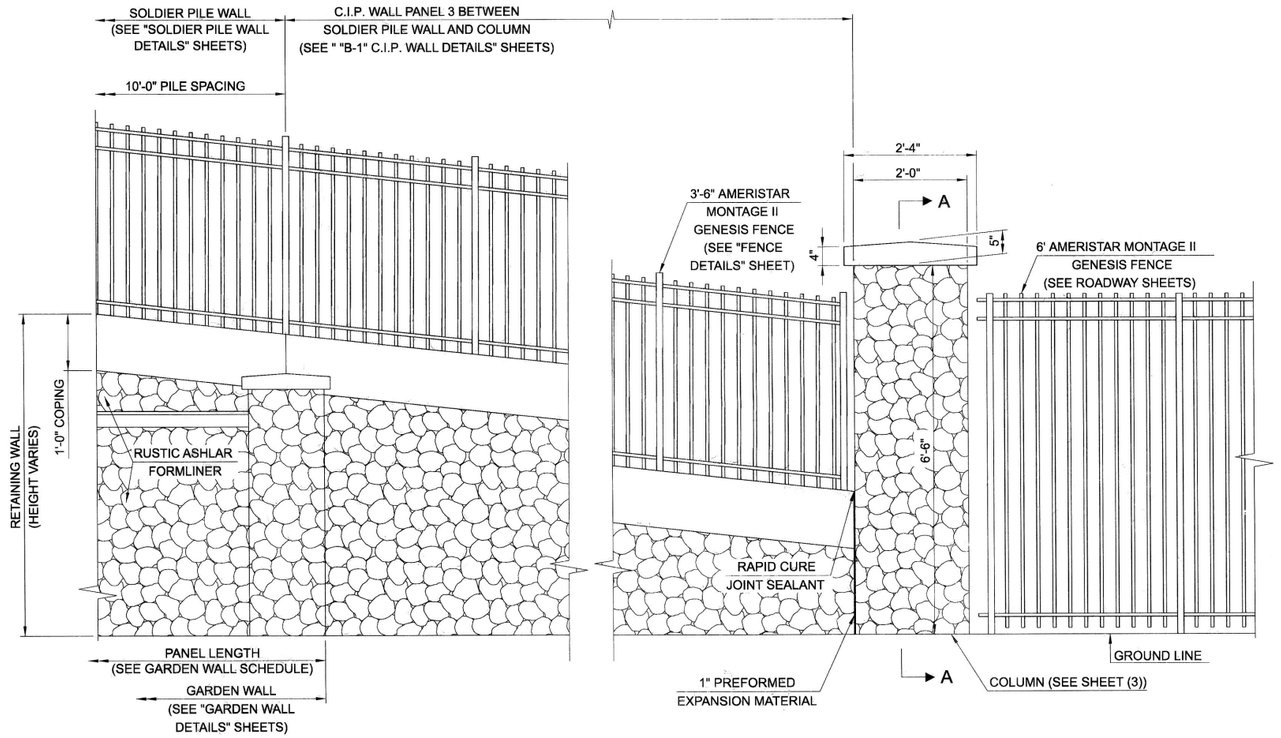


RETAINING WALL TO FENCE CONNECTION (SOUTH END OF WALL B-2)

NOTE: THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.
WALL, COLUMN, AND FENCE FOOTINGS NOT SHOWN FOR CLARITY.

SEE SHEET (3) FOR SECTION A-A AND RAPID CURE JOINT DETAIL.



RETAINING WALL AND GARDEN WALL TO FENCE CONNECTION (NORTH END OF WALL B-1)

NOTE: THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.
WALL, COLUMN, AND FENCE FOOTINGS NOT SHOWN FOR CLARITY.

BEFORE YOU DIG CALL OKIE 811

LICENSED PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

WALLS "B-1" AND "B-2" TRANSITION DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE	2025
	DESIGNED		
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	DD	6/25
HORIZONTAL: 1" = N/A	LEAD ENGR.	DD	6/25
	FIELD MGR.	[illegible]	6/25
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER	HAS	7-25
FILE: H:\21-1009	DRAWING:		
ATLAS PAGE NO:	19, 20, 21, 42, 43, 74, 75		

APPROVED:
CITY ENGINEER
DATE: 7/3/2025
SHEET S36 OF 268 SHEETS

6/13/2025 11:28:16 AM
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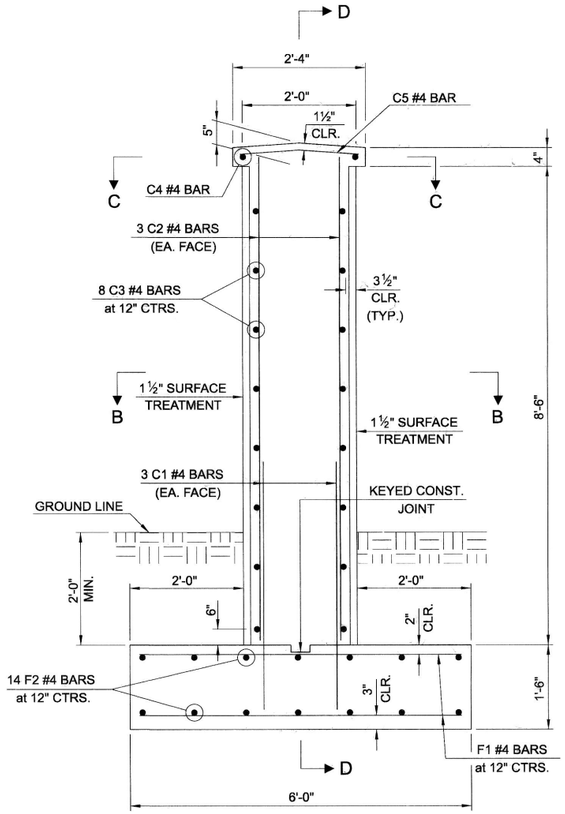
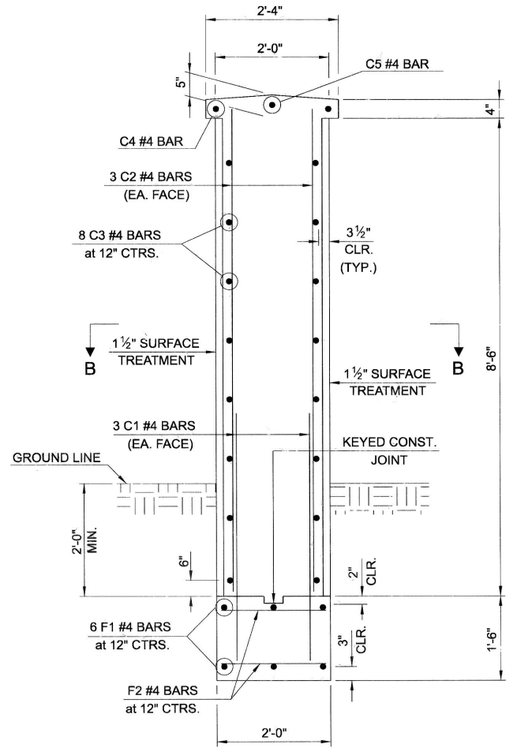
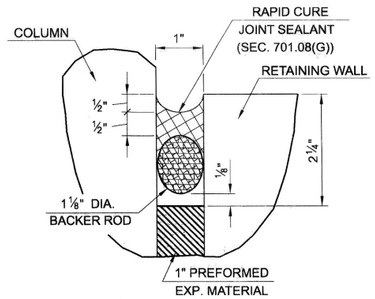


SECTION A-A



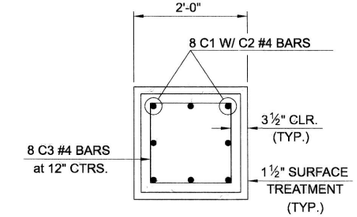
SECTION D-D

NOTE: THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.

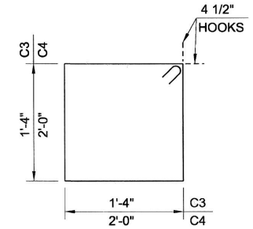


DETAIL OF RAPID CURE JOINT

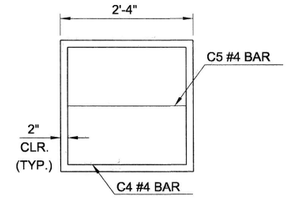
BAR LIST - COLUMN (ONE SHOWN, THREE REQUIRED)					
MARK	NO.	SIZE	FORM	SPACING	LENGTH
C1	8	#4	STR.	AS SHOWN	3'-3"
C2	8	#4	STR.	AS SHOWN	8'-8"
C3	8	#4	BENT	12"C/C	6'-1"
C4	1	#4	BENT	AS SHOWN	8'-9"
C5	1	#4	BENT	AS SHOWN	2'-0"
F1	6	#4	STR.	12"C/C	5'-8"
F2	14	#4	STR.	12"C/C	1'-8"



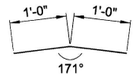
SECTION B-B



C3 #4 x 6'-1"
C4 #4 x 8'-9"



SECTION C-C



C5 #4 x 2'-0"

ALL BAR BENDS ARE OUT TO OUT.

TRANSITION COLUMN QUANTITIES				
ITEM	UNIT	B-1	B-2	TOTAL
CLASS A CONCRETE	C.Y.	2.00	4.00	6.00
REINFORCING STEEL	LB.	160	320	480

NOTE: QUANTITIES SHOW ABOVE ARE FOR INFORMATION PURPOSES ONLY ALL COST INCURRED DURING CONSTRUCTION OF TRANSITION COLUMNS SHALL BE INCLUDED IN THE UNIT PRICE BID PER SQUARE YARD OF "RETAINING WALL". THE COST SHALL INCLUDE BUT NOT LIMITED TO: EXCAVATION, BACKFILL, BACKFILL MATERIAL, CONCRETE, REINFORCING STEEL, CONCRETE SURFACEFORM LINERS, AND RAPID CURE JOINTS.

BEFORE YOU DIG 811 OKIE CALL OKIE

SAMANTHA HENRICH 32024 LICENSED ENGINEER OKLAHOMA

WALLS "B-1" AND "B-2" TRANSITION DETAILS (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

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PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 2025
DESIGNED
SURVEY
PROJ. MGR.
LEAD ENGR.
FIELD MGR.
RECOMMENDED: DESIGN MANAGER
APPROVED: CITY ENGINEER

FILE: H\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S37 OF 266 SHEETS

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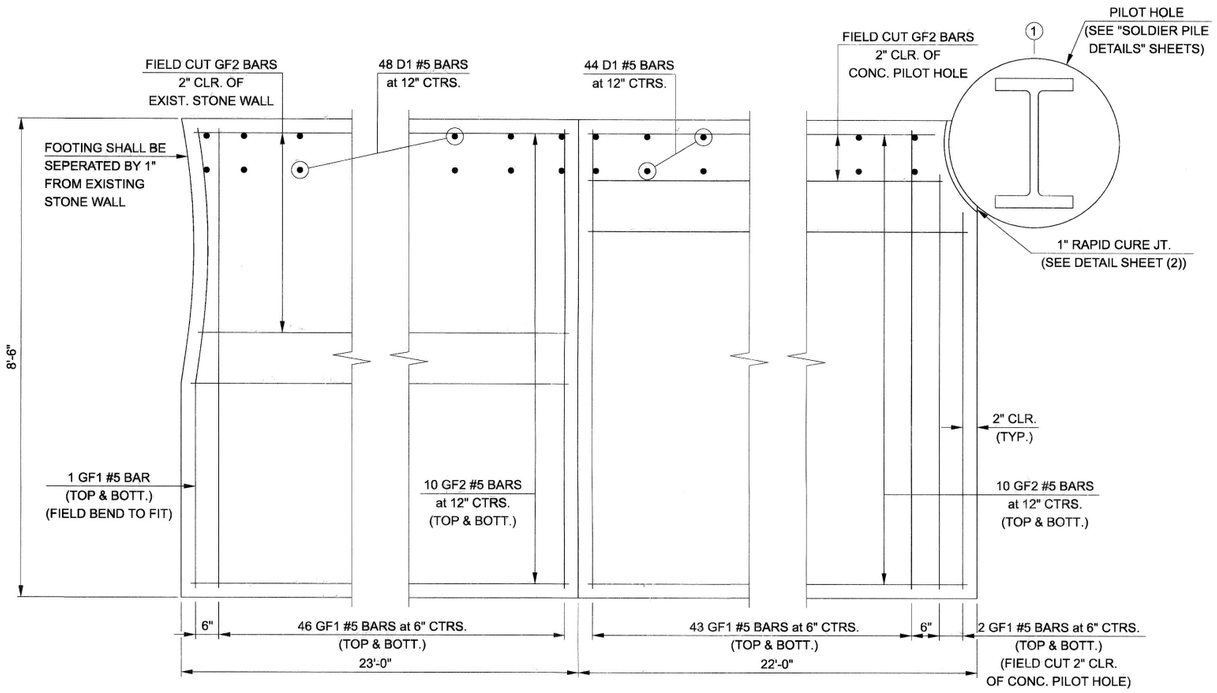
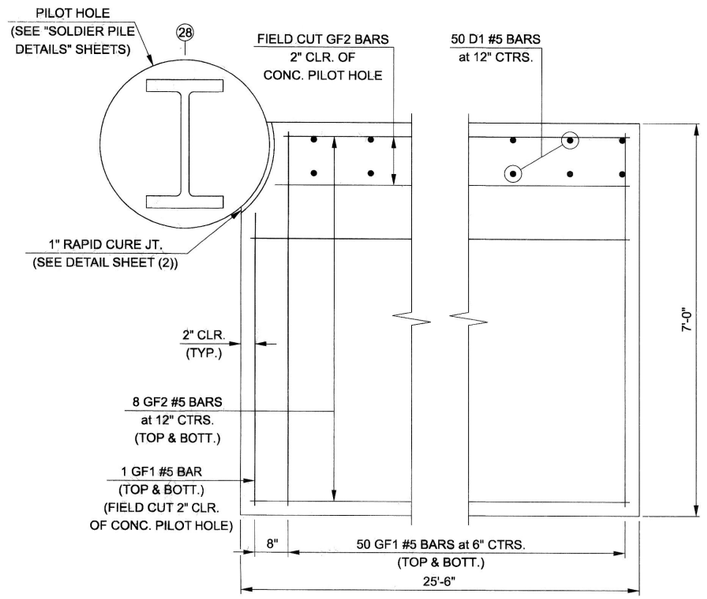
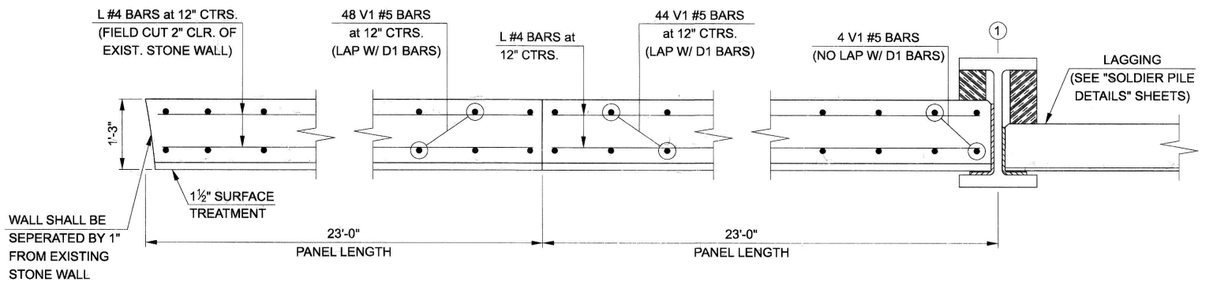


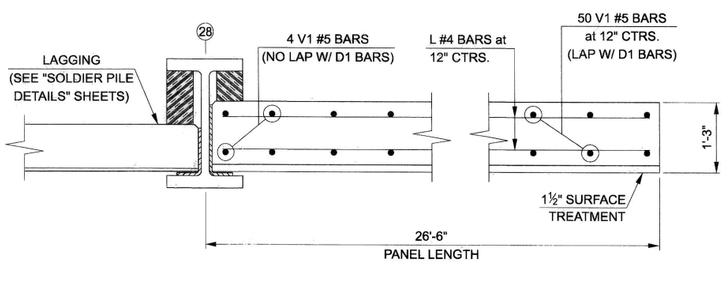
PLAN OF PANEL 1 & 2 FOOTING



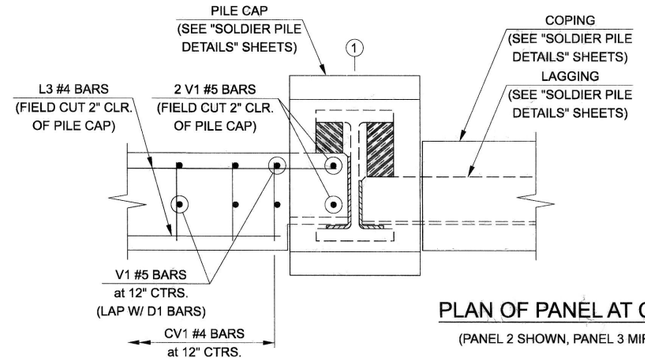
PLAN OF PANEL 3 FOOTING



PLAN OF PANEL 1 & 2 WALL



PLAN OF PANEL 3 WALL



PLAN OF PANEL AT COPING

(PANEL 2 SHOWN, PANEL 3 MIRRORED)

NOTE: SEE "C.I.P. WALL DETAILS" FOR CONST. JT. DETAIL BETWEEN WALL PANELS 1 AND 2.

THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.

BEFORE YOU DIG 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER
SAMANTHA HENRICH
32024
OKLAHOMA

"B-1" C.I.P. WALL DETAILS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

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PROFILE SCALE: 1" = N/A
HORIZONTAL:
VERTICAL 1" = N/A

DRAWN	POE 2025	APPROVED:
DESIGNED		
SURVEY		
PROJ. MGR.	6/25	
LEAD ENGR.	6/25	
FIELD MGR.	6/25	
RECOMMENDED: DESIGN MANAGER	7/3/25	CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S38 OF 268 SHEETS

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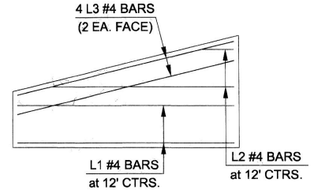
WALL 'B-1' BAR LIST

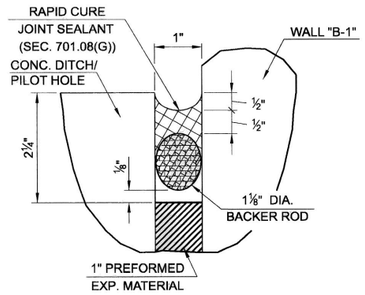
WALL	PANEL NO.	PANEL LENGTH	L1 BARS #4 at 12" CTRS. NO.	L1 BARS #4 at 12" CTRS. LENGTH	L2 BARS #4 at 12" CTRS. NO.	L2 BARS #4 at 12" CTRS. LENGTH (AVG.)	L2 BARS #4 at 12" CTRS. LENGTH VAR.	L3 BARS #4 NO.	L3 BARS #4 LENGTH	D1 BARS #5 at 12" CTRS. NO.	D1 BARS #5 at 12" CTRS. LENGTH	V1 BARS #5 at 12" CTRS. (LAP WITH D1 BARS) NO.	V1 BARS #5 at 12" CTRS. (LAP WITH D1 BARS) LENGTH (AVG.)	V1 BARS #5 at 12" CTRS. (LAP WITH D1 BARS) LENGTH VAR.	CV1 BARS #4 at 12" CTRS. (BENT BAR) NO.	CV1 BARS #4 at 12" CTRS. (BENT BAR) LENGTH	GF1 BARS #5 at 6" CTRS NO.	GF1 BARS #5 at 6" CTRS LENGTH	GF2 BARS #5 at 12" CTRS NO.	GF2 BARS #5 at 12" CTRS LENGTH
'B-1'	1	23.00'	10	22'-8"	6	11'-5"	2'-10" to 20'-0"	4	22'-9"	48	4'-3"	48	6'-2"	4'-10" to 7'-6"	24	5'-3"	94	8'-2"	20	22'-8"
	2	23.00'	16	22'-6"	4	12'-10"	8'-7" to 17'-1"	4	22'-8"	44	4'-3"	48	8'-10"	7'-6" to 10'-2"	23	5'-3"	90	8'-2"	20	21'-8"
	3	26.50'	10	26'-0"	6	11'-6"	3'-0" to 20'-0"	4	26'-2"	50	4'-3"	54	5'-11 1/2"	4'-5" to 7'-6"	26	5'-3"	102	6'-8"	16	25'-2"

WALL 'B-1' SCHEDULE

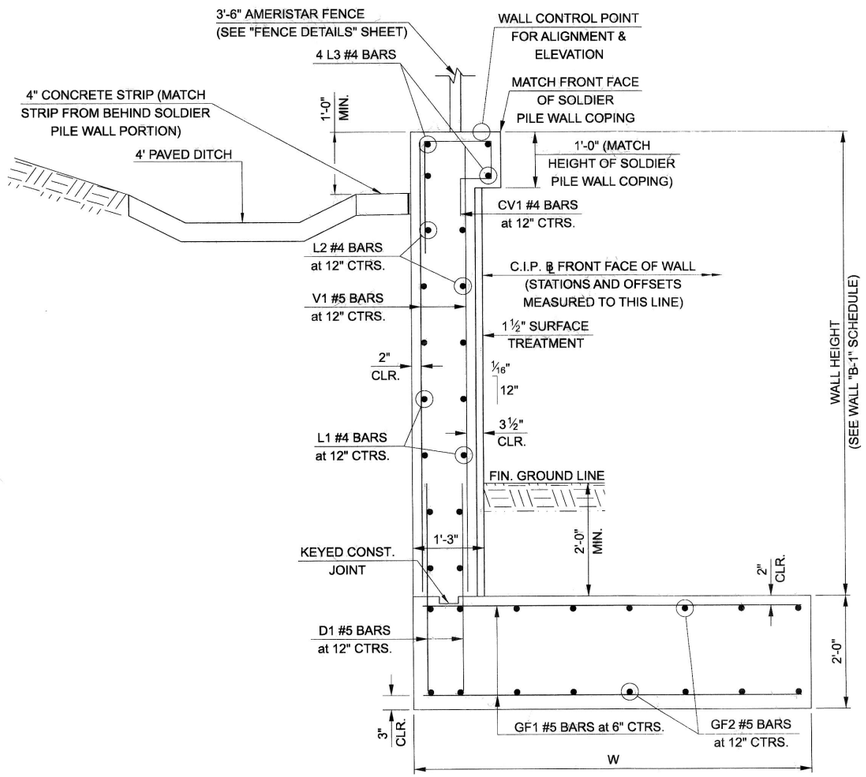
WALL	PANEL NO.	PANEL LENGTH	DIMENSIONS 'B-1' WALL HEIGHT MIN.	'B-1' WALL HEIGHT MAX.	'B-1' WALL HEIGHT AVG.	FOOTING W
'B-1'	1	23.00'	5.00'	7.69'	6.34'	8.50'
	2	23.00'	7.69'	10.37'	9.03'	8.50'
	3	26.50'	4.61'	7.74'	6.18'	7.00'



LONGIT. WALL REINFORCING DETAIL

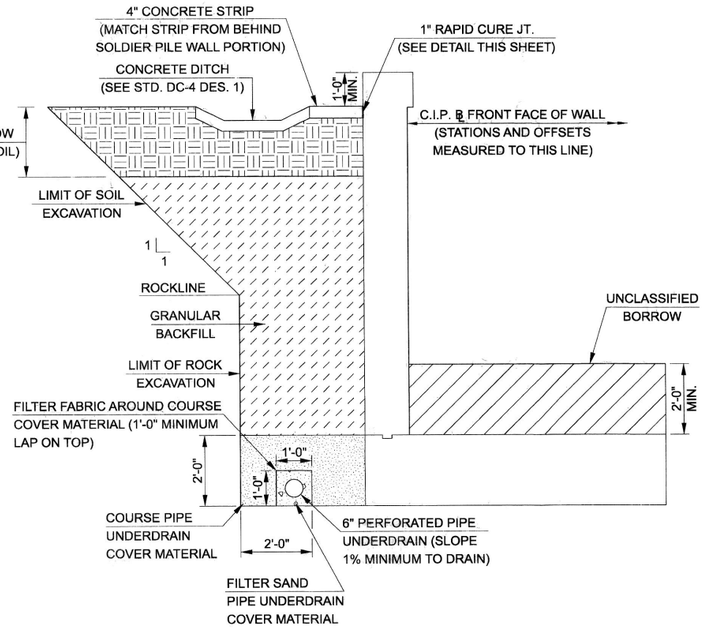


DETAIL OF RAPID CURE JOINT



SECTION THRU WALL

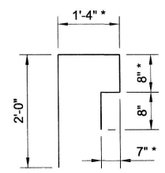
NOTE: THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.



UNDERDRAIN DETAIL

SEE "C.I.P. WALL DETAILS (1)" FOR EXCAVATION DIAGRAM.

* VERIFY DIMENSIONS BASED ON FINAL SOLDIER PILE WALL COPING DIMENSIONS



CV1 #4 x 5'-3"

ALL BAR BENDS ARE OUT TO OUT.

BEFORE YOU DIG 811 CALL OKIE

SAMANTHA HEINRICH LICENSED PROFESSIONAL ENGINEER 32024 OKLAHOMA

"B-1" C.I.P. WALL DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 2025
DESIGNED
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED DESIGN MANAGER HMS 7-25

APPROVED: CITY ENGINEER

FILE: H\21-1009 DRAWING:
DATE: 7/7/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S39 OF 268 SHEETS

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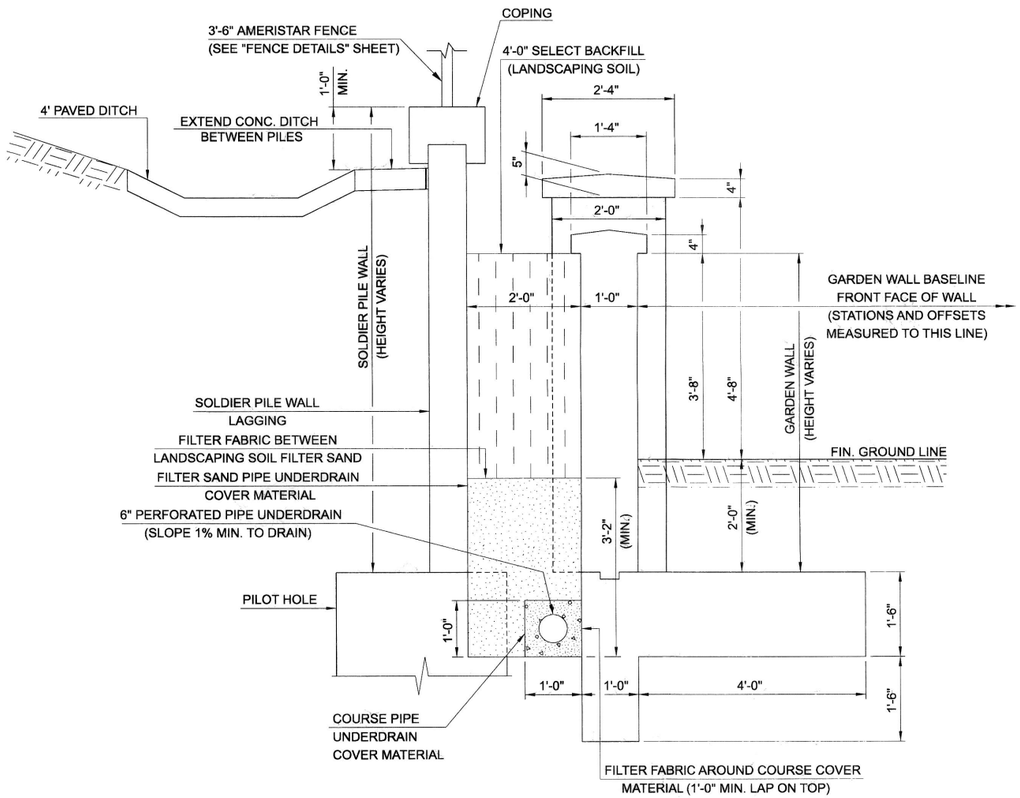
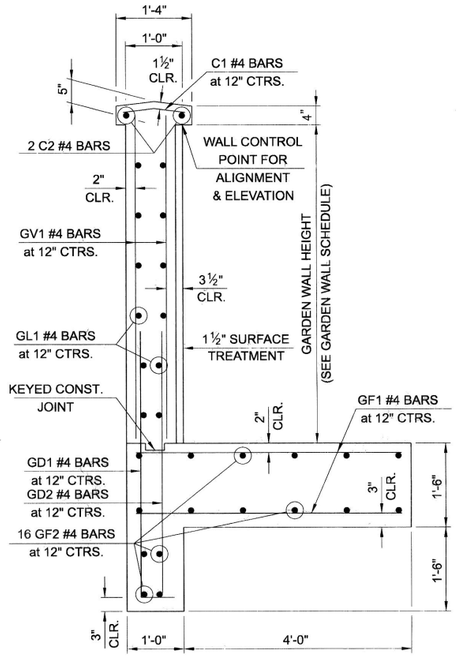
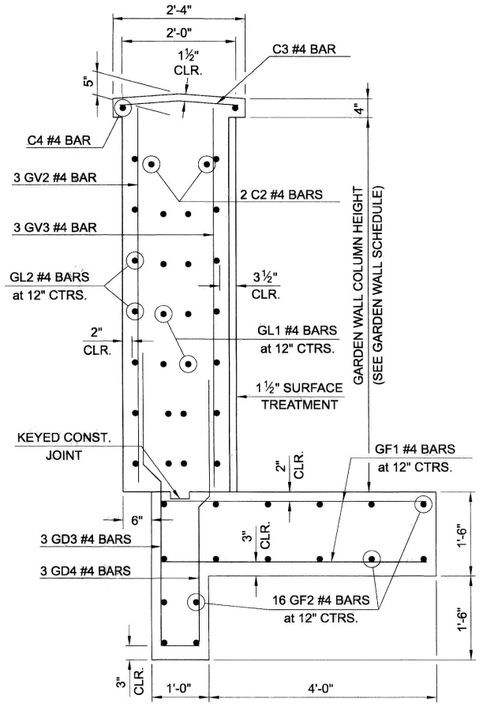


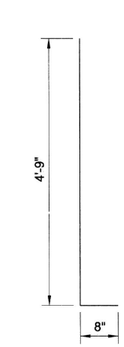
SECTION THRU SOLDIER PILE AND GARDEN WALL



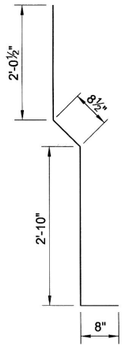
SECTION A-A



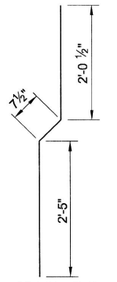
SECTION B-B



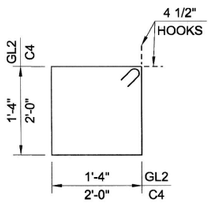
GD1 #4 x 5'-5"



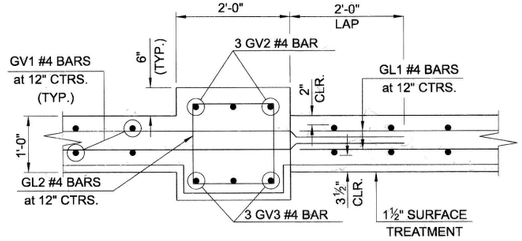
GD3 #4 x 6'-3"



GD4 #4 x 5'-1"

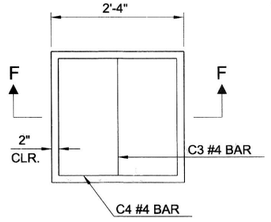


GL2 #4 x 6'-1"
C4 #4 x 8'-9"



SECTION C-C

(AT CONST. JOINT)



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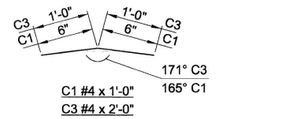
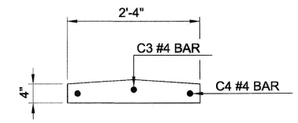
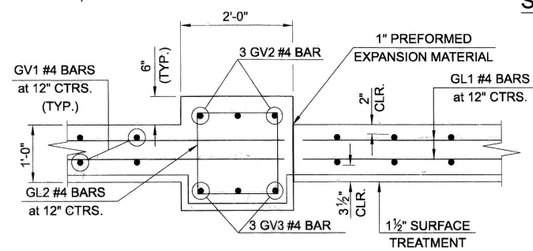


C1 #4 x 1'-0"
C3 #4 x 2'-0"

ALL BAR BENDS ARE OUT TO OUT.



SECTION F-F



SECTION D-D

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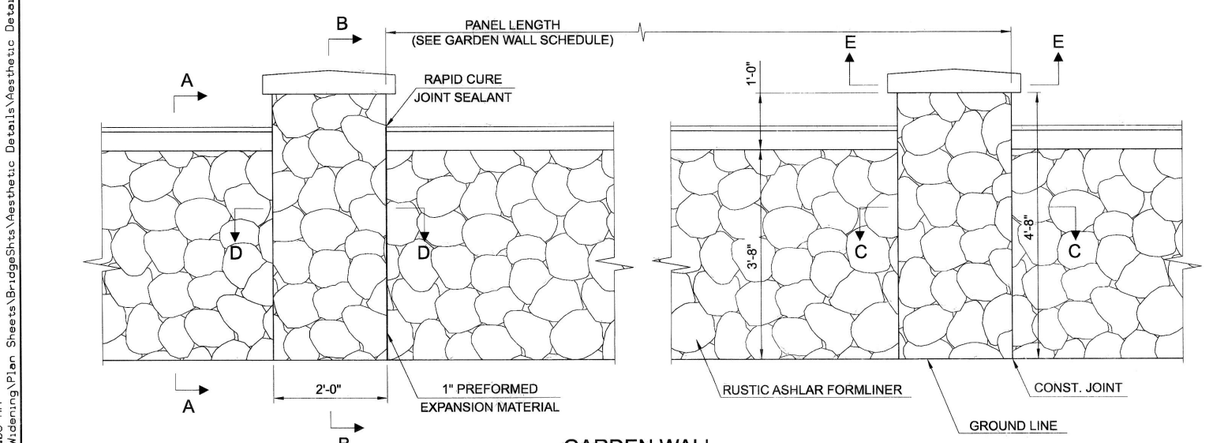

GARDEN WALL ELEVATION

NOTE: GARDEN WALL FOOTING NOT SHOWN FOR CLARITY.
THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.

BEFORE YOU DIG 811 CALL OKIE

LICENSED ENGINEER
SAMANTHA HEINRICH
32024
OKLAHOMA

GARDEN WALL DETAILS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
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Tulsa, Oklahoma

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	SURVEY		
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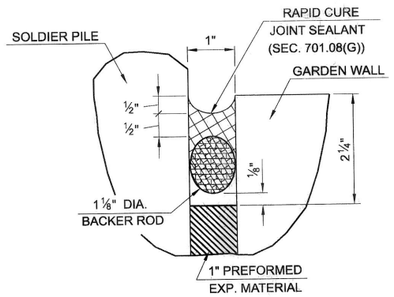


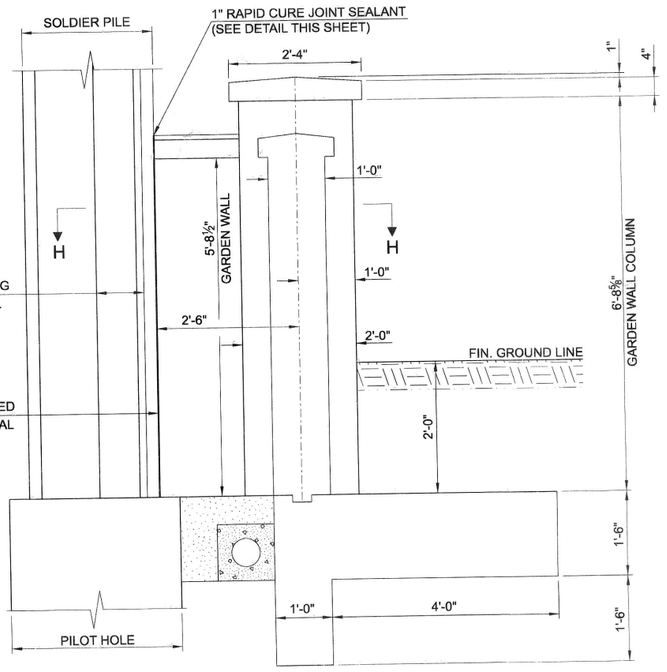
DETAIL OF RAPID CURE JOINT

GARDEN WALL BAR LIST

WALL	PANEL NO.	PANEL LENGTH	GL1 BARS #4 at 12" CTRS. NO.	GL1 BARS #4 at 12" CTRS. LENGTH	GL2 BARS #4 at 12" CTRS. (BENT BAR) NO.	GL2 BARS #4 at 12" CTRS. (BENT BAR) LENGTH	GD1 BARS #4 at 12" CTRS. (BENT BAR) NO.	GD1 BARS #4 at 12" CTRS. (BENT BAR) LENGTH	GD2 BARS #4 at 12" CTRS. NO.	GD2 BARS #4 at 12" CTRS. LENGTH	GD3 BARS #4 at 12" CTRS. (BENT BAR) NO.	GD3 BARS #4 at 12" CTRS. (BENT BAR) LENGTH	GD4 BARS #4 at 12" CTRS. (BENT BAR) NO.	GD4 BARS #4 at 12" CTRS. (BENT BAR) LENGTH	GV1 BARS #4 at 12" CTRS. (LAP WITH GD BARS) NO.	GV1 BARS #4 at 12" CTRS. (LAP WITH GD BARS) LENGTH (AVG.)	GV1 BARS #4 at 12" CTRS. (LAP WITH GD BARS) LENGTH VAR.	GV2 BARS #4 at 12" CTRS. NO.	GV2 BARS #4 at 12" CTRS. LENGTH	GV3 BARS #4 at 12" CTRS. NO.	GV3 BARS #4 at 12" CTRS. LENGTH	C1 BARS #4 at 12" CTRS. (BENT BAR) NO.	C1 BARS #4 at 12" CTRS. (BENT BAR) LENGTH	C2 BARS #4 NO.	C2 BARS #4 LENGTH	C3 BARS #4 (BENT BAR) NO.	C3 BARS #4 (BENT BAR) LENGTH	C4 BARS #4 (BENT BAR) NO.	C4 BARS #4 (BENT BAR) LENGTH	GF1 BARS #4 at 12" CTRS NO.	GF1 BARS #4 at 12" CTRS LENGTH	GF2 BARS #4 at 12" CTRS NO.	GF2 BARS #4 at 12" CTRS LENGTH
GARDEN WALL	1	3.50'	12	2'-9"	7	6'-1"	-	-	-	-	3	6'-3"	3	5'-1"	4	5'-10"	-	3	6'-8"	3	6'-10"	2	1'-0"	2	2'-9"	1	2'-0"	1	8'-9"	-	-	-	-
	2	15.00'	14	19'-0"	8	6'-1"	13	5'-5"	13	4'-9"	3	6'-3"	3	5'-1"	26	6'-1"	5'-10" to 6'-4"	3	7'-3"	3	7'-5"	13	1'-0"	2	19'-0"	1	2'-0"	1	8'-9"	36	4'-8"	16	16'-8"
	3	20.00'	14	19'-8"	8	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	6'-10"	6'-6" to 7'-2"	3	8'-0"	3	8'-2"	18	1'-0"	2	19'-8"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	4	20.00'	12	22'-0"	8	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	6'-3"	5'-11" to 6'-7"	3	7'-6"	3	7'-8"	18	1'-0"	2	22'-0"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	5	20.00'	14	22'-0"	9	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	7'-0"	6'-8" to 7'-4"	3	8'-3"	3	8'-5"	18	1'-0"	2	22'-0"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	6	20.00'	12	22'-0"	8	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	6'-3"	5'-11" to 6'-7"	3	7'-6"	3	7'-8"	18	1'-0"	2	22'-0"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	7	20.00'	14	19'-8"	9	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	7'-0"	6'-8" to 7'-4"	3	8'-3"	3	8'-5"	18	1'-0"	2	19'-8"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	8	20.00'	12	22'-0"	8	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	6'-2"	5'-10" to 6'-6"	3	7'-4"	3	7'-6"	18	1'-0"	2	22'-0"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	9	20.00'	14	22'-0"	8	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	6'-10"	6'-7" to 7'-1"	3	8'-0"	3	8'-2"	18	1'-0"	2	22'-0"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	10	20.00'	12	22'-0"	8	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	6'-0 1/2"	5'-10" to 6'-3"	3	7'-2"	3	7'-4"	18	1'-0"	2	22'-0"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	11	20.00'	14	19'-8"	8	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	6'-6"	6'-4" to 6'-8"	3	7'-6"	3	7'-8"	18	1'-0"	2	19'-8"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	12	20.00'	14	22'-0"	8	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	6'-9"	6'-8" to 6'-10"	3	7'-8"	3	7'-10"	18	1'-0"	2	22'-0"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	13	20.00'	12	22'-0"	7	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	6'-0"	-	3	6'-10"	3	7'-0"	18	1'-0"	2	22'-0"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	14	20.00'	12	22'-0"	7	6'-1"	18	5'-5"	18	4'-9"	3	6'-3"	3	5'-1"	36	6'-0"	-	3	6'-10"	3	7'-0"	18	1'-0"	2	22'-0"	1	2'-0"	1	8'-9"	42	4'-8"	16	19'-8"
	15	15.00'	12	14'-6"	7	6'-1"	13	5'-5"	13	4'-9"	3	6'-3"	3	5'-1"	26	5'-11"	-	3	6'-9"	3	6'-11"	13	1'-0"	2	14'-6"	1	2'-0"	1	8'-9"	32	4'-8"	16	14'-8"
	16	3.50'	12	2'-9"	-	-	-	-	-	-	-	-	-	-	4	5'-11"	-	-	-	-	-	2	1'-0"	2	2'-9"	-	-	-	-	-	-	-	-

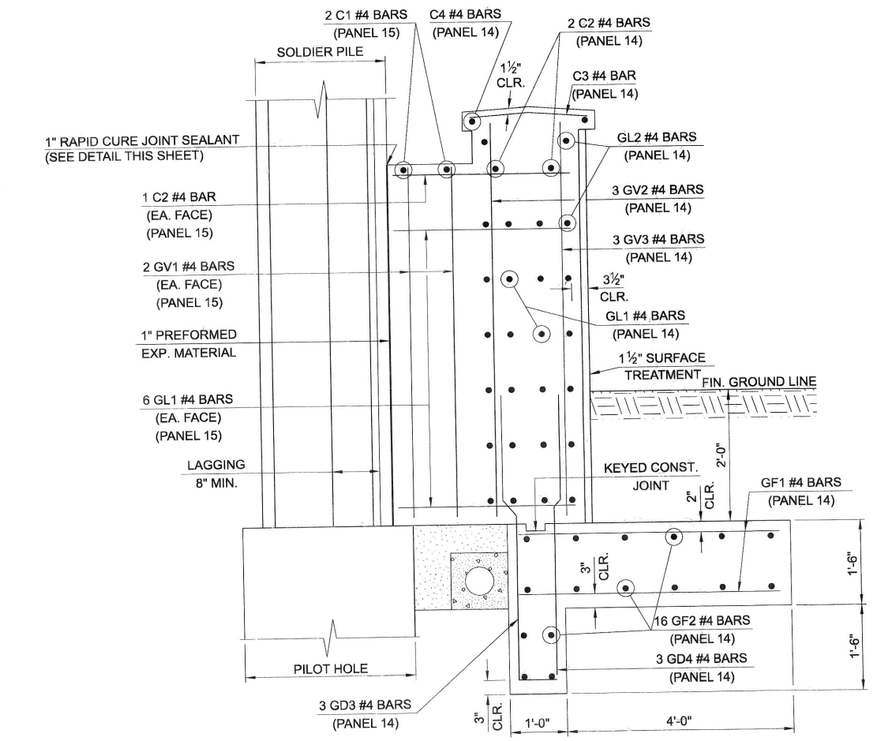
GARDEN WALL SCHEDULE

WALL	PANEL NO.	PANEL LENGTH	DIMENSIONS WALL HEIGHT MIN.	WALL HEIGHT MAX.	WALL HEIGHT AVG.	COLUMN HEIGHT
GARDEN WALL	1	3.50'	5.64'	5.64'	5.64'	6.68'
	2	15.00'	5.72'	6.21'	5.97'	7.25'
	3	20.00'	6.28'	6.97'	6.63'	8.00'
	4	20.00'	5.74'	6.42'	6.08'	7.46'
	5	20.00'	6.50'	7.18'	6.84'	8.22'
	6	20.00'	5.75'	6.43'	6.09'	7.47'
	7	20.00'	6.51'	7.19'	6.85'	8.23'
	8	20.00'	5.67'	6.32'	6.00'	7.35'
	9	20.00'	6.38'	6.92'	6.65'	7.95'
	10	20.00'	5.68'	6.10'	5.89'	7.12'
	11	20.00'	6.14'	6.45'	6.30'	7.46'
	12	20.00'	6.48'	6.67'	6.58'	7.68'
	13	20.00'	5.78'	5.86'	5.82'	6.86'
	14	20.00'	5.82'	5.86'	5.84'	6.81'
	15	15.00'	5.72'	5.81'	5.77'	6.71'
	16	3.50'	5.70'	5.70'	5.70'	-

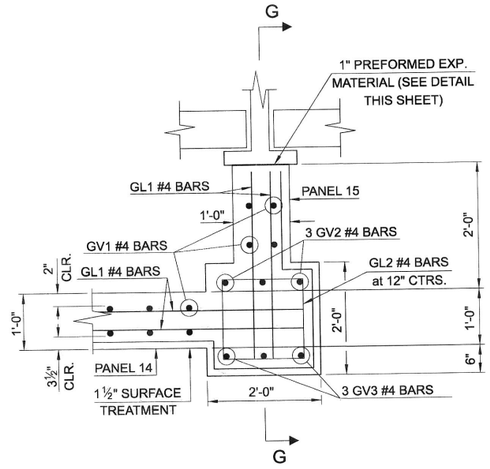


GARDEN WALL/ SOLDIER PILE WALL TIE IN ELEVATION

(REINFORCING NOT SHOWN FOR CLARITY)



SECTION G-G



SECTION H-H

GARDEN WALL DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN: POE 2025
DESIGNED:
SURVEY:
PROJ. MGR.: 6/25
LEAD ENGR.: 6/25
FIELD MGR.: 6/25
RECOMMENDED: HAS 7-25
DESIGN MANAGER

APPROVED:
CITY ENGINEER
DATE: 7/3/2025

FILE: H:\21-1009 DRAWING:
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

SHEET S41 OF 268 SHEETS

SAMANTHA HEINRICH 32024 OKLAHOMA LICENSED PROFESSIONAL ENGINEER

6/17/2025 4:27:45 PM
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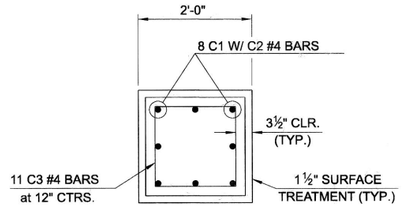
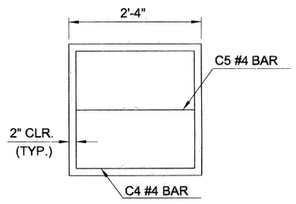
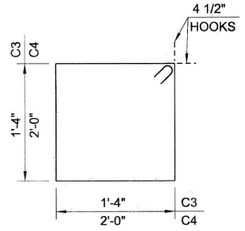


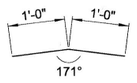
SECTION B-B



SECTION C-C



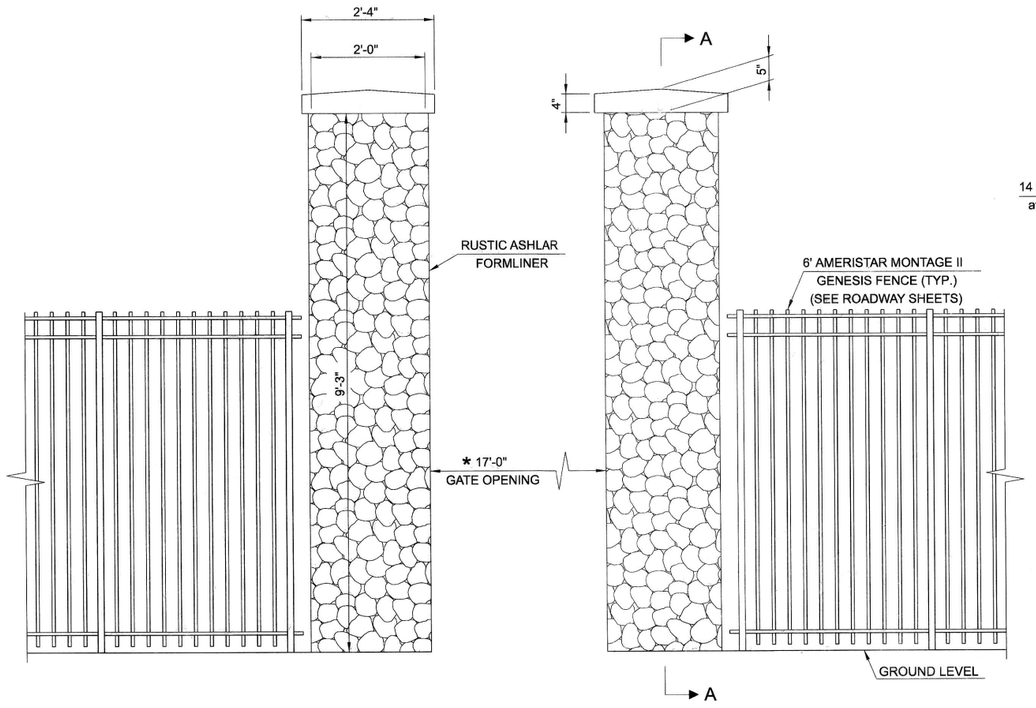
C3 #4 x 6'-1"
C4 #4 x 8'-9"



C5 #4 x 2'-0"

ALL BAR BENDS ARE OUT TO OUT.

GATE COLUMN QUANTITIES				
ITEM	UNIT	NORTH	SOUTH	TOTAL
CLASS A CONCRETE	C.Y.	2.50	2.50	5.00
REINFORCING STEEL	LB.	170	170	340

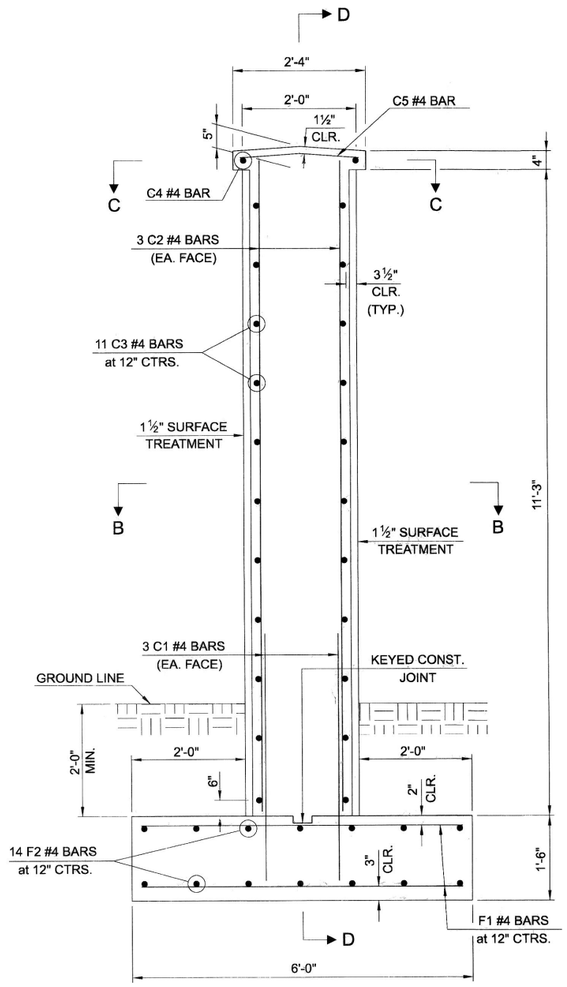


GATE COLUMN ELEVATION

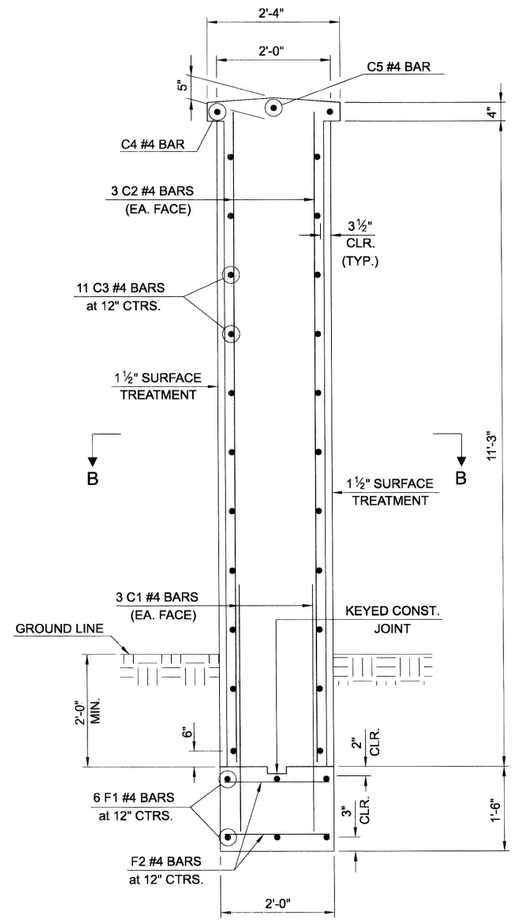
NOTE: THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.
COLUMN AND FENCE FOOTINGS NOT SHOWN FOR CLARITY.

* CONFRIM GATE DIMENSIONS AND MOUNTING REQUIREMENTS WITH CITY OF TULSA PRIOR TO CONSTRUCTION GATE COLUMNS

THIS GATE WILL BE LOCATED APPR. AT STA. 172+72, APPR. 36' LT. OF CRL N. GILCREASE MUSEUM RD. SEE ROADWAY SHEETS FOR EXACT LOCATION.



SECTION A-A



SECTION D-D

BAR LIST - COLUMN (ONE SHOWN, TWO REQUIRED)					
MARK	NO.	SIZE	FORM	SPACING	LENGTH
C1	8	#4	STR.	AS SHOWN	3'-3"
C2	8	#4	STR.	AS SHOWN	11'-8"
C3	11	#4	BENT	12"C/C	6'-1"
C4	1	#4	BENT	AS SHOWN	8'-9"
C5	1	#4	BENT	AS SHOWN	2'-0"
F1	6	#4	STR.	12"C/C	5'-8"
F2	14	#4	STR.	12"C/C	1'-8"

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

GATE COLUMN DETAILS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN: POE 2025
DESIGNED:
SURVEY:
PROJ. MGR.: 6/25
LEAD ENGR.: 6/25
FIELD MGR.: 6/25
RECOMMENDED: HBS 7-25
DESIGN MANAGER:

APPROVED:
CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S42 OF 268 SHEETS

6/13/2025 11:30:05 AM
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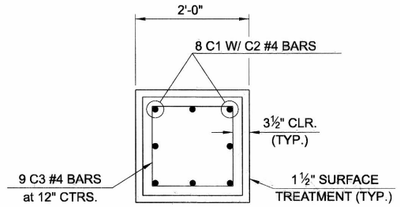
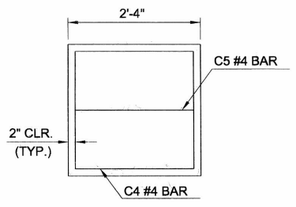
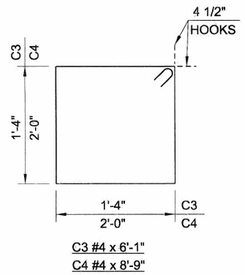


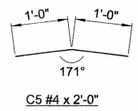
SECTION B-B



SECTION C-C



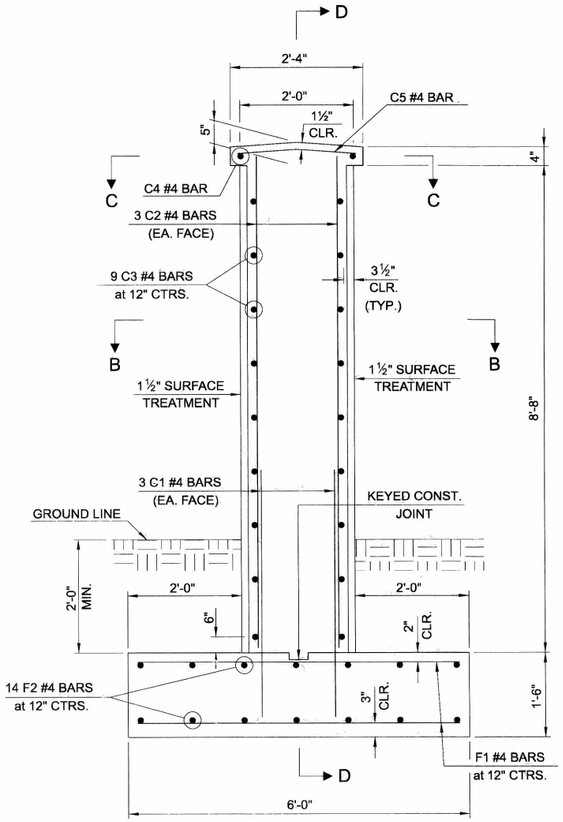
C3 #4 x 6'-1"
C4 #4 x 8'-9"



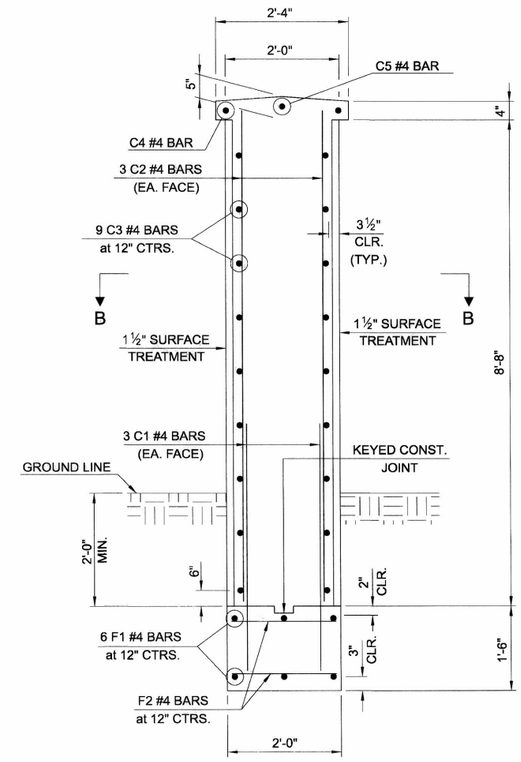
C5 #4 x 2'-0"

ALL BAR BENDS ARE OUT TO OUT.

GATE COLUMN QUANTITIES				
ITEM	UNIT	WEST	EAST	TOTAL
CLASS A CONCRETE	C.Y.	2.10	2.10	4.20
REINFORCING STEEL	LB.	150	150	300



SECTION A-A



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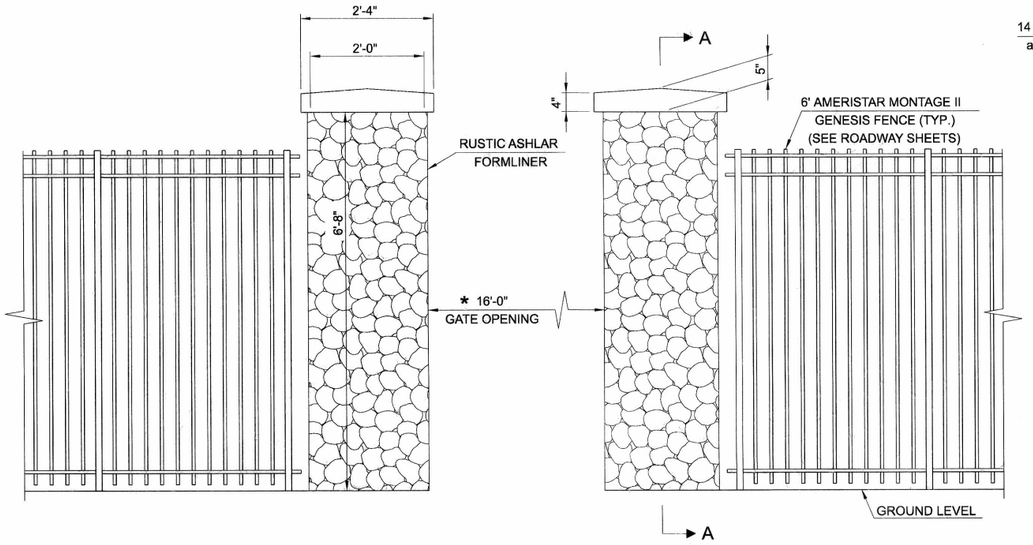

GATE COLUMN ELEVATION

NOTE: THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN. COLUMN AND FENCE FOOTINGS NOT SHOWN FOR CLARITY.

* CONFRIM GATE DIMENSIONS AND MOUNTING REQUIREMENTS PRIOR TO CONSTRUCTION GATE COLUMNS

THIS GATE WILL BE LOCATED ON THE SOUTH SIDE OF W. NEWTON ST., APPR. 114' LT. OF CRL N. GILCREASE MUSEUM RD. SEE ROADWAY SHEETS FOR EXACT LOCATION.

BAR LIST - COLUMN (ONE SHOWN, TWO REQUIRED)					
MARK	NO.	SIZE	FORM	SPACING	LENGTH
C1	8	#4	STR.	AS SHOWN	3'-3"
C2	8	#4	STR.	AS SHOWN	8'-10"
C3	9	#4	BENT	12"C/C	6'-1"
C4	1	#4	BENT	AS SHOWN	8'-9"
C5	1	#4	BENT	AS SHOWN	2'-0"
F1	6	#4	STR.	12"C/C	5'-8"
F2	14	#4	STR.	12"C/C	1'-8"

BEFORE YOU DIG 811 CALL OKIE

SAMANTHA HEINRICH LICENSED ENGINEER 32024 OKLAHOMA

GATE COLUMN DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN: POE 2025
DESIGNED:
SURVEY:
PROJ. MGR.: 6/25
LEAD ENGR.: 6/25.
FIELD MGR.: 6/25
RECOMMENDED: DESIGN MANAGER
APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S43 OF 288 SHEETS

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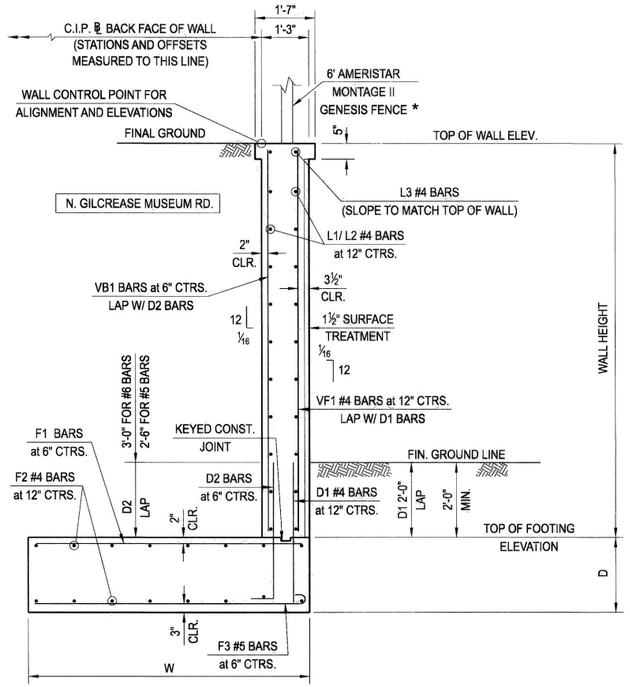
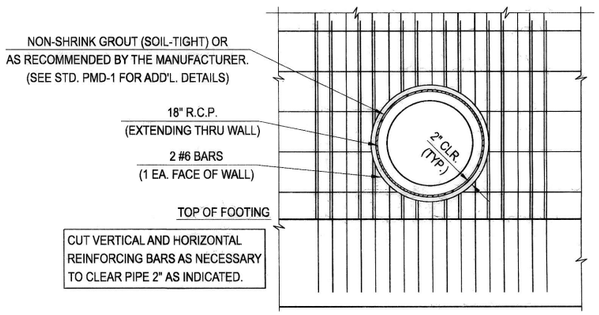


C.I.P. WALL SECTION

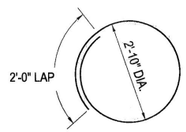
TYPE 'A'

* SEE WALL C PLAN & ELEVATION FOR FENCE AND SCREEN WALL EXTENTS. FOR TYPE "A" PANELS W/ SCREEN WALL SEE TYPE "B" PANEL FOR SCREEN WALL NOTES AND SW1 BARS.

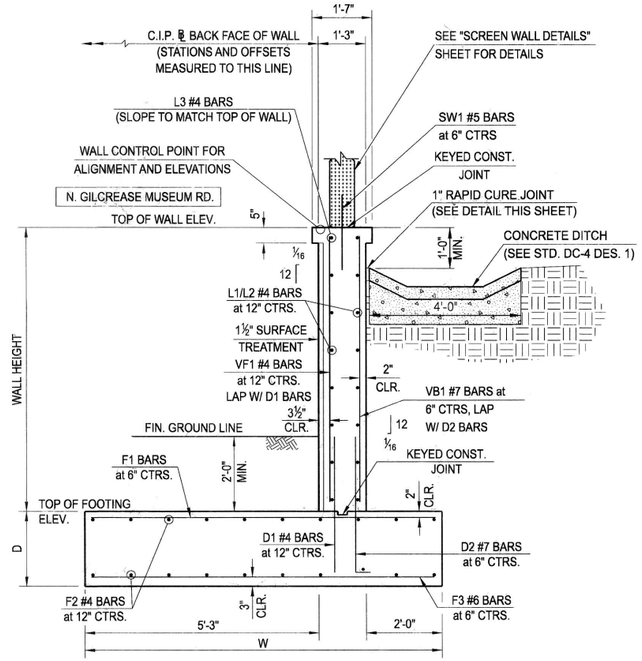
NOTE: FOR DETAILS OF SURFACE TREATMENT, SEE BRIDGE-AESTHETIC SHEETS.



TYPICAL DETAIL OF ADD'L. REINFORCING AT PIPE EXTENDING THRU WALL



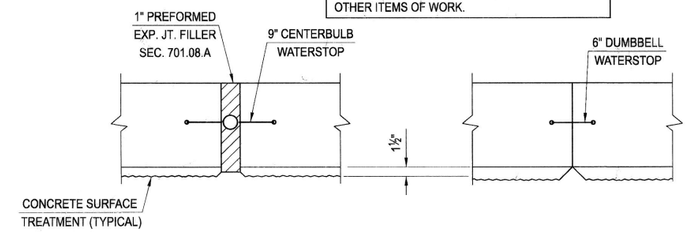
#6 x 11'-1"



C.I.P. WALL SECTION

TYPE 'B'

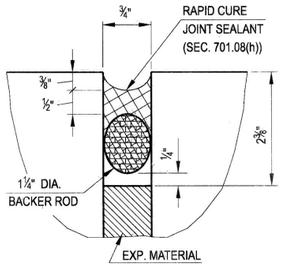
NOTE: WATERSTOP SHALL BE PLACED THE FULL HEIGHT OF WALL. COST SHALL BE INCLUDED IN OTHER ITEMS OF WORK.



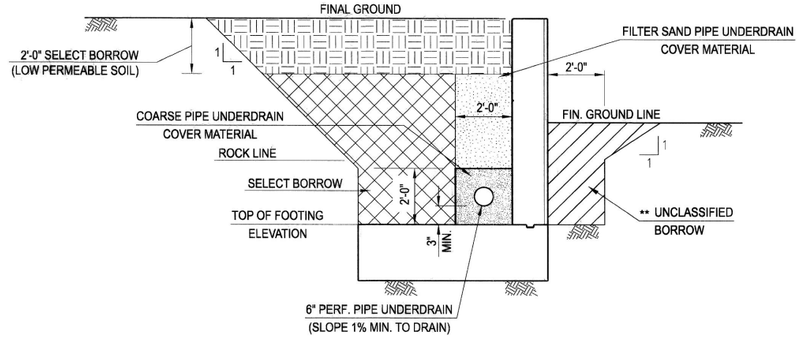
EXPANSION JOINT

CONSTRUCTION JOINT

JOINT DETAILS



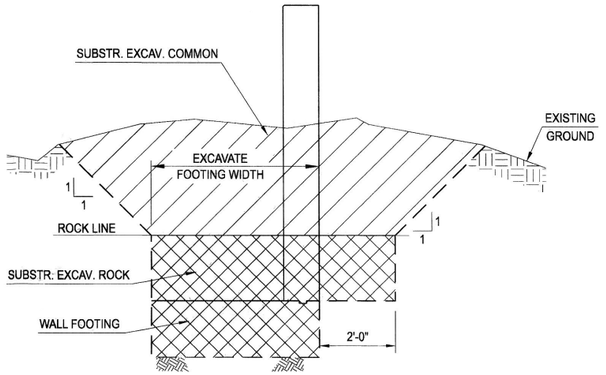
DETAIL OF RAPID CURE JOINT



UNDERDRAIN INSTALLATION TYPICAL

WALL TYPE 'A' (SHOWN)
WALL TYPE 'B' & "C" (SIMILAR)

** NOTE: QUANTITIES OF UNCLASSIFIED BORROW NEEDED FOR FILL AS SHOWN MAY BE OBTAINED FROM EXCAVATED MATERIAL.



EXCAVATION DIAGRAM

WALL TYPE 'A' (SHOWN)
WALL TYPE 'B' & "C" (SIMILAR)

NOTE: FOOTING MUST BE AT LEAST 1'-0" INTO EXCAVATED ROCK

BEFORE YOU DIG 811 CALL OKIE

LIC. ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

REVISION	BY	DATE

C.I.P. WALL DETAILS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A	DRAWN	POE	4/2023	APPROVED:
	DES/GNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED DESIGN MANAGER	HBS	7.2.25	CITY ENGINEER
FILE: H:\21-1009	DRAWING 21-1009 Wall Details			DATE: 7/3/2025
ATLAS PAGE NO:				SHEET S44 OF 268 SHEETS

6/13/2025 3:01:11 PM
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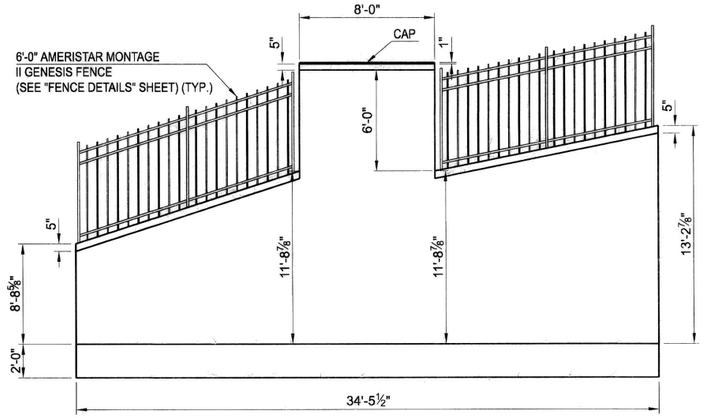
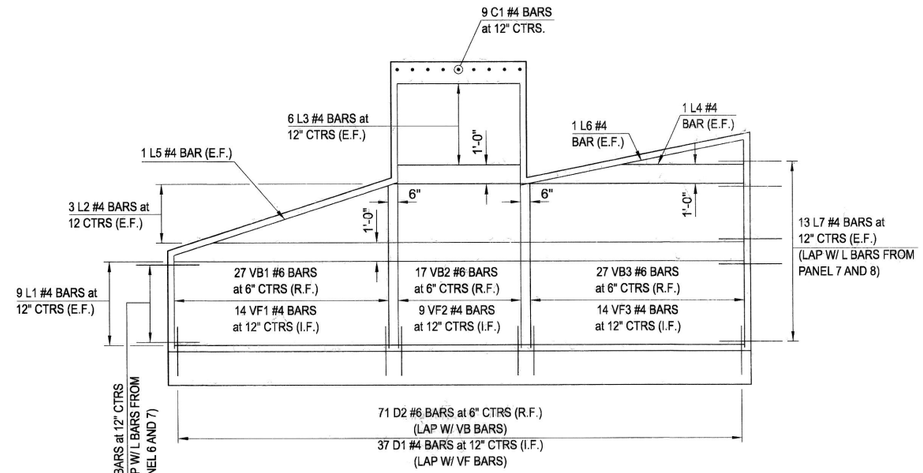
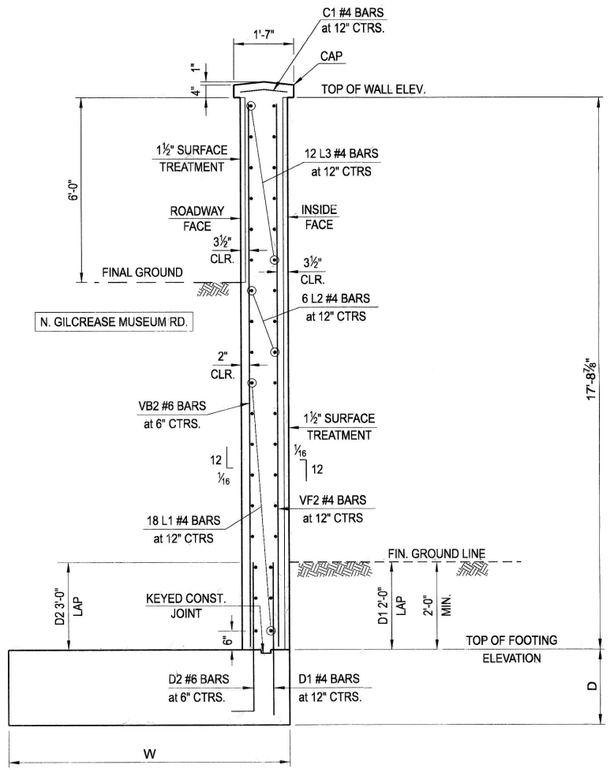


WALL "C" PANEL 7
ELEVATION - INSIDE FACE

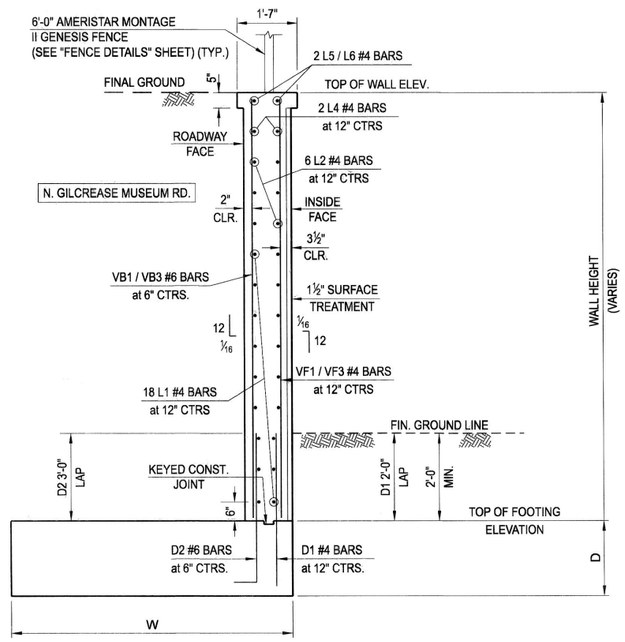


ELEVATION
WALL "C" PANEL 7 REINFORCING

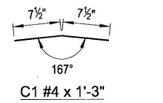
NOTE: SEE "C.I.P. WALL DETAILS" SHEET "C.I.P. WALL SECTION TYPE "A" FOR FOOTING REINFORCING.



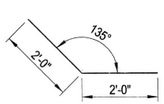
SECTION THRU SIGN



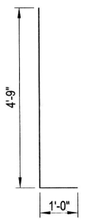
SECTION THRU WALL



C1 #4 x 1'-3"



L7 #4 x 4'-0"



D2 #6 x 5'-9"

ALL BAR BENDS ARE OUT TO OUT

WALL "C" BAR LIST
PANEL 7

MARK	NO.	SIZE	FORM	SPACING	LENGTH	VARIATION
C1	9	#4	STR.	12" C/C	1'-3"	
L1	18	#4	STR.	12" C/C	34'-1"	-
L2	6	#4	STR.	12" C/C	25'-9" AVG.	21'-4" TO 30'-2"
L3	12	#4	STR.	12" C/C	7'-8"	-
L4	2	#4	STR.	12" C/C	4'-10"	-
L5	2	#4	STR.	AS SHOWN	13'-6"	-
L6	2	#4	STR.	AS SHOWN	13'-4"	-
L7	44	#4	BENT	12" C/C	4'-0"	-
D1	37	#4	STR.	12" C/C	3'-9"	-
D2	71	#6	BENT	6"C/C	5'-9"	-
VF1	14	#4	STR.	12" C/C	10'-0" AVG.	8'-7" TO 11'-5"
VF2	9	#4	STR.	12"C/C	17'-6"	-
VF3	14	#4	STR.	12"C/C	12'-3" AVG.	11'-7" TO 13'-1"
VB1	27	#6	STR.	6"C/C	10'-0" AVG.	8'-7" TO 11'-5"
VB2	17	#6	STR.	6"C/C	17'-6"	-
VB3	27	#6	STR.	6"C/C	12'-3" AVG.	11'-7" TO 13'-1"

BEFORE YOU DIG OKIE 811 CALL OKIE

Digitally signed by Samantha Henrich
SAMANTHA HENRICH
LICENSED PROFESSIONAL ENGINEER
32024
OKLAHOMA

C.I.P. WALL DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	4/2023	APPROVED:
DESIGNED			
SURVEY			
PROJ. MGR.		6/25	
LEAD ENGR.		6/25	
FIELD MGR.		6/25	
RECOMMENDED: DESIGN MANAGER	HMS 7-25		CITY ENGINEER

FILE: H:\21-1009 DRAWING: 21-1009 Wall Details
DATE: 7/3/2025
ATLAS PAGE NO:
SHEET S45 OF 268 SHEETS

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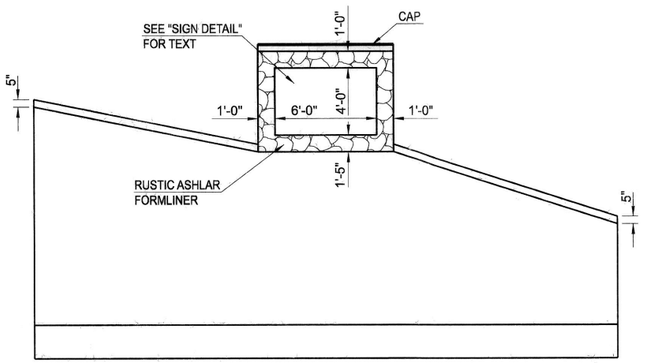
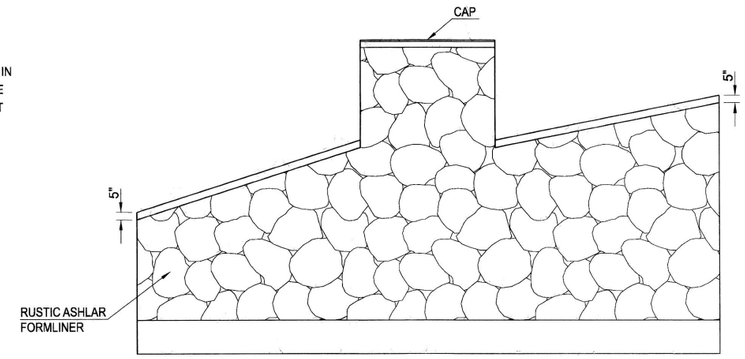


WALL "C" PANEL 7
ELEVATION - ROADWAY FACE

NOTES: THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.

NOTE:
SIGN CAP AS SHOWN ON PLANS IS CAST IN PLACE. CONTRACTOR MAY INSTEAD USE A PRECAST CAP AT NO ADDITIONAL COST TO CITY OF TULSA.



WALL "C" PANEL 7
ELEVATION - INSIDE FACE

NOTES: THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.



SIGN DETAIL

NOTE: MATCH TEXT STYLE TO EXISTING SIGN COPIED ABOVE FOR REFERENCE.

BEFORE YOU DIG OKIE 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

REVISION	BY	DATE

C.I.P. WALL DETAILS (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A	DRAWN	POE	4/2023	APPROVED:
	DESIGNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		6/25	
	LEAD ENGR.		6/25	
HORIZONTAL: 1" = N/A	FIELD MGR.		6/25	
	RECOMMENDED:		7-25	
VERTICAL 1" = N/A	DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009 Wall Details			DATE: 7/3/2025
ATLAS PAGE NO:				SHEET S46 OF 268 SHEETS

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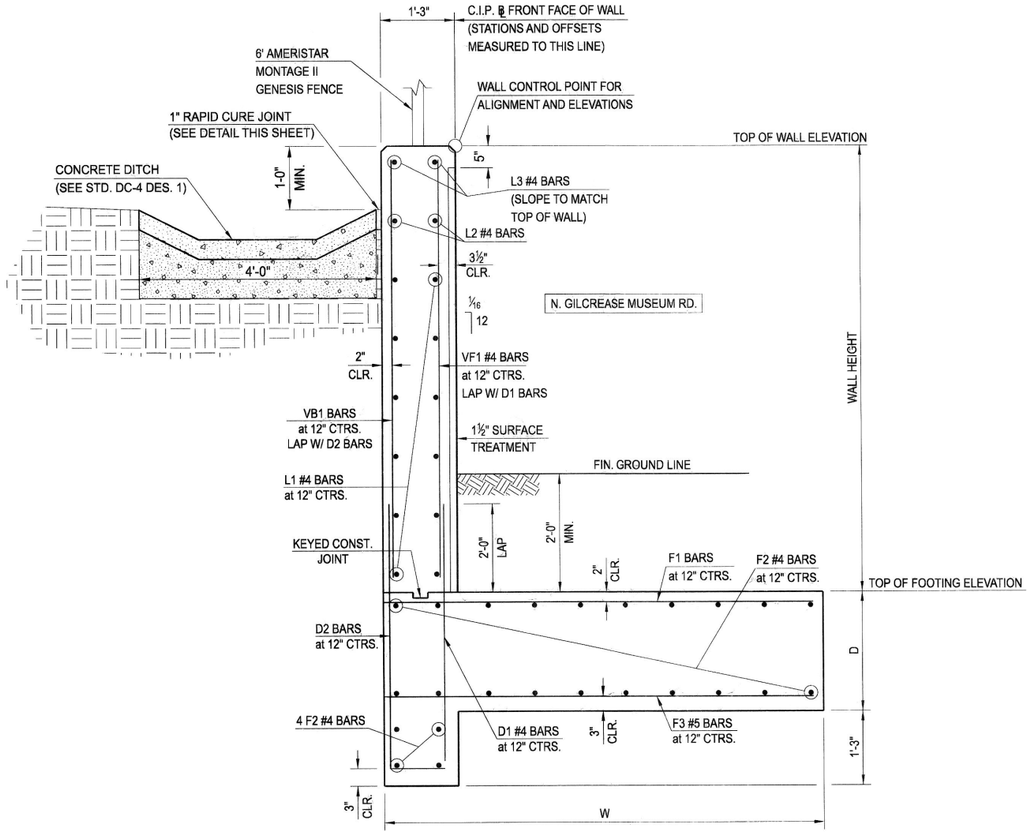
WALL 'B-2' BAR LIST

WALL	PANEL NO.	PANEL TYPE	PANEL LENGTH	L1 BARS #4 at 12" CTRS. NO.	L1 BARS #4 at 12" CTRS. LENGTH	L2 BARS #4 NO.	L2 BARS #4 LENGTH	L3 BARS #4 NO.	L3 BARS #4 LENGTH	D1 BARS #4 at 12" CTRS. NO.	D1 BARS #4 at 12" CTRS. LENGTH	D2 BARS at 12" CTRS (BENT BAR) NO.	SIZE	X	Y	LENGTH	VF1 BARS #4 at 12" CTRS. (LAP WITH D1 BARS) NO.	LENGTH (AVG.)	LENGTH VAR.	VB1 BARS at 12" CTRS (LAP WITH D2 BARS) NO.	SIZE	LENGTH (AVG.)	LENGTH VAR.	F1 BARS #5 NO.	SPACING	LENGTH	F2 BARS #4 at 12" CTRS NO.	LENGTH	F3 BARS at 12" CTRS. (BENT BAR) NO.	SIZE	X	Z	LENGTH
'B-2'	1	C	25.00'	10	24'-8"	2	12'-1"	2	24'-9"	26	5'-0"	26	#6	11"	6'-0"	6'-11"	26	5'-4"	4'-4" to 6'-4"	26	#6	5'-4"	4'-4" to 6'-4"	26	12"	8'-8"	24	24'-8"	26	#5	8'-8"	-	8'-8"
	2	C	25.00'	14	24'-8"	2	12'-1"	2	24'-9"	26	5'-0"	26	#6	11"	6'-0"	6'-11"	26	7'-4"	6'-4" to 8'-4"	26	#6	7'-4"	6'-4" to 8'-4"	26	12"	8'-8"	24	24'-8"	26	#5	8'-8"	-	8'-8"
	3	C	25.00'	18	24'-8"	2	14'-2"	2	24'-8"	26	5'-0"	26	#7	11"	6'-6"	7'-5"	26	9'-1 1/2"	8'-4" to 9'-11"	26	#7	9'-1 1/2"	8'-4" to 9'-11"	26	12"	10'-2"	26	24'-8"	26	#5	10'-2"	-	10'-2"
	4	C	25.00'	22	24'-8"	-	-	2	24'-8"	26	5'-0"	26	#7	11"	6'-6"	7'-5"	26	10'-4"	9'-11" to 10'-9"	26	#7	10'-4"	9'-11" to 10'-9"	26	12"	10'-2"	26	24'-8"	26	#5	10'-2"	-	10'-2"
	5	C	25.00'	22	24'-8"	-	-	2	24'-8"	26	5'-0"	26	#7	11"	6'-6"	7'-5"	26	10'-10"	10'-9" to 10'-11"	26	#7	10'-10"	10'-9" to 10'-11"	26	12"	10'-2"	26	24'-8"	26	#5	10'-2"	-	10'-2"
	6	C	25.00'	22	24'-8"	-	-	2	24'-8"	26	5'-0"	26	#7	11"	6'-6"	7'-5"	26	10'-8 1/2"	10'-7" to 10'-10"	26	#7	10'-8 1/2"	10'-7" to 10'-10"	26	12"	10'-2"	26	24'-8"	26	#5	10'-2"	-	10'-2"
	7	C	25.00'	22	24'-8"	-	-	2	24'-8"	26	5'-0"	26	#7	11"	6'-6"	7'-5"	26	10'-3 1/2"	10'-0" to 10'-7"	26	#7	10'-3 1/2"	10'-0" to 10'-7"	26	12"	10'-2"	26	24'-8"	26	#5	10'-2"	-	10'-2"
	8	C	25.00'	20	24'-8"	-	-	2	24'-8"	26	5'-0"	26	#7	11"	6'-6"	7'-5"	26	9'-7"	9'-2" to 10'-0"	26	#7	9'-7"	9'-2" to 10'-0"	26	12"	10'-2"	26	24'-8"	26	#5	10'-2"	-	10'-2"
	9	C	25.00'	18	24'-8"	-	-	2	24'-8"	26	5'-0"	26	#6	11"	6'-0"	6'-11"	26	8'-7"	8'-0" to 9'-2"	26	#6	8'-7"	8'-0" to 9'-2"	26	12"	8'-8"	24	24'-8"	26	#5	8'-8"	-	8'-8"
	10	C	15.00'	18	14'-8"	-	-	2	14'-8"	16	5'-0"	16	#6	11"	6'-0"	6'-11"	16	8'-2"	7'-10" to 8'-6"	16	#6	8'-2"	7'-10" to 8'-6"	16	12"	8'-8"	24	14'-8"	16	#5	8'-8"	-	8'-8"

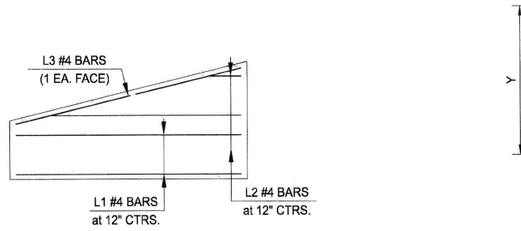
WALL 'B-2' SCHEDULE

WALL	PANEL NO.	PANEL TYPE	PANEL LENGTH	DIMENSIONS WALL HEIGHT MIN.	WALL HEIGHT MAX.	WALL HEIGHT AVG.	FOOTING W	FOOTING D
'B-2'	1	C	25.00'	4.58'	6.57'	5.58'	9'-0"	2'-0"
	2	C	25.00'	6.57'	8.56'	7.57'	9'-0"	2'-0"
	3	C	25.00'	8.56'	10.16'	9.36'	10'-6"	2'-0"
	4	C	25.00'	10.16'	10.98'	10.57'	10'-6"	2'-0"
	5	C	25.00'	10.98'	11.09'	11.04'	10'-6"	2'-0"
	6	C	25.00'	10.76'	11.05'	10.91'	10'-6"	2'-0"
	7	C	25.00'	10.20'	10.76'	10.48'	10'-6"	2'-0"
	8	C	25.00'	9.36'	10.20'	9.78'	10'-6"	2'-0"
	9	C	25.00'	8.25'	9.36'	8.81'	9'-0"	2'-0"
	10	C	15.00'	8.00'	8.75'	8.38'	9'-0"	2'-0"

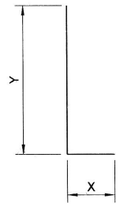


C.I.P. WALL SECTION

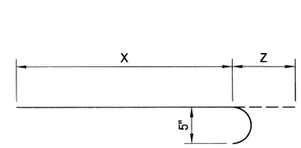
TYPE 'C'



LONGIT. WALL REINF. DETAIL



D2 BARS



F3 BARS

NOTE:
ALL BENT BAR DIMENSIONS ARE OUT TO OUT.

C.I.P. WALL DETAILS (4)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	4/2023
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED: DESIGN MANAGER	HBS 7-9-25	

APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:21-1009 Wall Details
DATE: 7/3/2025
ATLAS PAGE NO:
SHEET S47 OF 268 SHEETS

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

6/17/2025 9:10:51 AM
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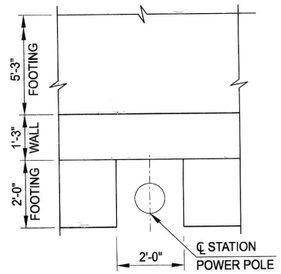
WALL 'C' BAR LIST

WALL	PANEL NO.	PANEL TYPE	PANEL LENGTH	L1 BARS #4 at 12" CTRS. NO.	L1 BARS #4 at 12" CTRS. LENGTH	L2 BARS #4 at 12" CTRS. NO.	L2 BARS #4 at 12" CTRS. LENGTH (AVG.)	L2 BARS #4 at 12" CTRS. LENGTH	L3 BARS #4 NO.	L3 BARS #4 LENGTH	D1 BARS #4 at 12" CTRS. NO.	D1 BARS #4 at 12" CTRS. LENGTH	D2 BARS at 6" CTRS (BENT BAR) NO.	D2 SIZE	D2 X	D2 Y	D2 LENGTH	VF1 BARS #4 at 12" CTRS. (LAP WITH D1 BARS) NO.	VF1 LENGTH (AVG.)	VF1 LENGTH VAR.	VB1 BARS at 6" CTRS (LAP WITH D2 BARS) NO.	VB1 SIZE	VB1 LENGTH (AVG.)	VB1 LENGTH VAR.	F1 BARS at 6" CTRS. NO.	F1 SIZE	F1 LENGTH	F2 BARS #4 at 12" CTRS NO.	F2 LENGTH	F3 BARS at 6" CTRS. (BENT BAR) NO.	F3 SIZE	F3 X	F3 Z	F3 LENGTH	SW1 BARS #5 at 6" CTRS NO.	SW1 LENGTH
	1	A	18.75'	8	18'-5"	2	8'-0"	-	2	18'-6"	20	3'-9"	39	#5	10"	4'-3"	5'-1"	20	3'-8"	2'-9" to 4'-7"	39	#5	3'-8"	2'-9" to 4'-7"	39	#5	4'-8"	12	18'-5"	39	#5	4'-8"	7"	5'-3"	-	-
	2	A	18.75'	10	18'-5"	2	9'-7"	-	2	18'-6"	20	3'-9"	39	#6	1'-0"	4'-9"	5'-9"	20	5'-6"	4'-7" to 6'-5"	39	#6	5'-6"	4'-7" to 6'-5"	39	#6	7'-2"	18	18'-5"	39	#5	7'-2"	7"	7'-9"	-	-
	3	A	25.00'	14	24'-8"	4	9'-0 1/2"	3'-10" to 14'-3"	2	24'-9"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	7'-7 1/2"	6'-5" to 8'-10"	51	#6	7'-7 1/2"	6'-5" to 8'-10"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	-	-
	4	A	25.00'	14	24'-8"	4	9'-0 1/2"	3'-10" to 14'-3"	2	24'-9"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	7'-4 1/2"	6'-2" to 8'-7"	51	#6	7'-4 1/2"	6'-2" to 8'-7"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	-	-
	5	A	25.00'	18	24'-8"	4	10'-8 1/2"	5'-6" to 15'-11"	2	24'-9"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	9'-9 1/2"	8'-7" to 11'-0"	51	#6	9'-9 1/2"	8'-7" to 11'-0"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	-	-
	6	A	25.00'	16	24'-8"	4	15'-11 1/2"	10'-9" to 21'-2"	2	24'-9"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	9'-3 1/2"	8'-1" to 10'-6"	51	#6	9'-3 1/2"	8'-1" to 10'-6"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	-	-
	7	A	34.46'	SEE SHEET (2) FOR PANEL 7 REINFORCING																					71	#6	7'-2"	18	34'-1"	71	#5	7'-2"	7"	7'-9"	-	-
	8	A	25.00'	20	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	9'-3 1/2"	8'-10" to 9'-9"	51	#6	9'-3 1/2"	8'-10" to 9'-9"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	-	-
	9	A	25.00'	22	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	10'-3"	9'-9" to 10'-9"	51	#6	10'-3"	9'-9" to 10'-9"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	-	-
	10	A	25.00'	18	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	8'-6"	8'-0" to 9'-0"	51	#6	8'-6"	8'-0" to 9'-0"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	-	-
	11	A	25.00'	16	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	7'-2"	6'-8" to 7'-8"	51	#6	7'-2"	6'-8" to 7'-8"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	-	-
	12	A	21.97'	16	21'-7"	-	-	-	2	21'-7"	23	3'-9"	45	#6	1'-0"	4'-9"	5'-9"	23	8'-1"	7'-8" to 8'-6"	45	#6	8'-1"	7'-8" to 8'-6"	45	#6	7'-2"	18	21'-7"	45	#5	7'-2"	7"	7'-9"	-	-
	13	A	28.03'	10	27'-8"	2	15'-2"	-	2	27'-8"	29	3'-9"	57	#6	1'-0"	4'-9"	5'-9"	29	5'-6"	5'-0" to 6'-0"	57	#6	5'-6"	5'-0" to 6'-0"	57	#6	7'-2"	18	27'-8"	57	#5	7'-2"	7"	7'-9"	57	5'-0"
	14	A	25.00'	14	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	6'-6"	6'-0" to 7'-0"	51	#6	6'-6"	6'-0" to 7'-0"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	15	A	25.00'	10	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#5	10"	4'-3"	5'-1"	26	5'-0 1/2"	4'-8" to 5'-5"	51	#5	5'-0 1/2"	4'-8" to 5'-5"	51	#5	4'-8"	12	24'-8"	51	#5	4'-8"	7"	5'-3"	51	5'-0"
	16	A	25.00'	12	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	5'-9 1/2"	5'-5" to 6'-2"	51	#6	5'-9 1/2"	5'-5" to 6'-2"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	17	A	25.00'	8	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#5	10"	4'-3"	5'-1"	26	4'-1"	4'-0" to 4'-2"	51	#5	4'-1"	4'-0" to 4'-2"	51	#5	4'-8"	12	24'-8"	51	#5	4'-8"	7"	5'-3"	51	5'-0"
	18	A	25.00'	8	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#5	10"	4'-3"	5'-1"	26	4'-3"	4'-2" to 4'-4"	51	#5	4'-3"	4'-2" to 4'-4"	51	#5	4'-8"	12	24'-8"	51	#5	4'-8"	7"	5'-3"	51	5'-0"
	19	A	25.00'	12	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	6'-5"	6'-4" to 6'-6"	51	#6	6'-5"	6'-4" to 6'-6"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	20	A	25.00'	12	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	6'-3"	6'-2" to 6'-4"	51	#6	6'-3"	6'-2" to 6'-4"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	21	A	25.00'	16	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	8'-2"	8'-1" to 8'-3"	51	#6	8'-2"	8'-1" to 8'-3"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	22	A	25.00'	16	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	8'-0"	-	51	#6	8'-0"	-	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	23	A	25.00'	16	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	7'-11"	7'-10" to 8'-0"	51	#6	7'-11"	7'-10" to 8'-0"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	24	A	25.00'	24	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	11'-9"	11'-8" to 11'-10"	51	#6	11'-9"	11'-8" to 11'-10"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	25	A	25.00'	24	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	11'-7"	11'-6" to 11'-8"	51	#6	11'-7"	11'-6" to 11'-8"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
'C'	26	A	25.00'	22	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	11'-5"	11'-4" to 11'-6"	51	#6	11'-5"	11'-4" to 11'-6"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	27	A	25.00'	20	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	9'-7"	9'-6" to 9'-8"	51	#6	9'-7"	9'-6" to 9'-8"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	28	A	25.00'	18	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	9'-5"	9'-4" to 9'-6"	51	#6	9'-5"	9'-4" to 9'-6"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	29	A	25.00'	20	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	9'-5 1/2"	9'-4" to 9'-7"	51	#6	9'-5 1/2"	9'-4" to 9'-7"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	30	A	25.00'	16	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	7'-8"	7'-6" to 7'-10"	51	#6	7'-8"	7'-6" to 7'-10"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	31	A	25.00'	16	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	7'-11 1/2"	7'-10" to 8'-1"	51	#6	7'-11 1/2"	7'-10" to 8'-1"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	32	A	25.00'	16	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	8'-2 1/2"	8'-1" to 8'-4"	51	#6	8'-2 1/2"	8'-1" to 8'-4"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	33	A	25.00'	18	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	8'-6"	8'-4" to 8'-8"	51	#6	8'-6"	8'-4" to 8'-8"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	34	A	25.00'	18	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	8'-9 1/2"	8'-8" to 8'-11"	51	#6	8'-9 1/2"	8'-8" to 8'-11"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	35	A	25.00'	18	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	9'-0 1/2"	8'-11" to 9'-2"	51	#6	9'-0 1/2"	8'-11" to 9'-2"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	36	A	25.00'	14	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	7'-0 1/2"	6'-11" to 7'-2"	51	#6	7'-0 1/2"	6'-11" to 7'-2"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	37	A	25.00'	14	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	7'-3 1/2"	7'-2" to 7'-5"	51	#6	7'-3 1/2"	7'-2" to 7'-5"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	38	A	25.00'	16	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	7'-7"	7'-5" to 7'-9"	51	#6	7'-7"	7'-5" to 7'-9"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	39	A	25.00'	18	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#6	1'-0"	4'-9"	5'-9"	26	8'-5 1/2"	8'-4" to 8'-7"	51	#6	8'-5 1/2"	8'-4" to 8'-7"	51	#6	7'-2"	18	24'-8"	51	#5	7'-2"	7"	7'-9"	51	5'-0"
	40	A	25.00'	10	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#5	10"	4'-3"	5'-1"	26	4'-10"	4'-8" to 5'-0"	51	#5	4'-10"	4'-8" to 5'-0"	51	#5	4'-8"	12	24'-8"	51	#5	4'-8"	7"	5'-3"	51	5'-0"
	41	A	25.00'	10	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#5	10"	4'-3"	5'-1"	26	5'-1 1/2"	5'-0" to 5'-3"	51	#5	5'-1 1/2"	5'-0" to 5'-3"	51	#5	4'-8"	12	24'-8"	51	#5	4'-8"	7"	5'-3"	51	5'-0"
	42	A	25.00'	10	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#5	10"	4'-3"	5'-1"	26	5'-4 1/2"	5'-3" to 5'-6"	51	#5	5'-4 1/2"	5'-3" to 5'-6"	51	#5	4'-8"	12	24'-8"	51	#5	4'-8"	7"	5'-3"	51	5'-0"
	43	B	25.00'	8	24'-8"	2	8'-5"	-	2	24'-8"	26	3'-9"	51	#7	1'-2"	6'-3"	7'-5"	26	4'-2 1/2"	3'-5" to 5'-0"	51	#7	4'-2 1/2"	3'-5" to 5'-0"	51	#4	8'-2"	20	24'-8"	51	#6	8'-2"	-	8'-2"	51	5'-0"
	44	B	25.00'	12	24'-8"	2	8'-5"	-	2	24'-8"	26	3'-9"	51	#7	1'-2"	6'-3"	7'-5"	26	5'-9"	5'-0" to 6'-6"	51	#7	5'-9"	5'-0" to 6'-6"	51	#4	8'-2"	20	24'-8"	51	#6	8'-2"	-	8'-2"	51	5'-0"
	45	B	25.00'	14	24'-8"	2	9'-9"	-	2	24'-8"	26	3'-9"	51	#7	1'-2"	6'-3"	7'-5"	26	7'-3 1/2"	6'-6" to 8'-1"	51	#7	7'-3 1/2"	6'-6" to 8'-1"	51	#4	8'-2"	20	24'-8"	51	#6	8'-2"	-	8'-2"	51	5'-0"
	46	B	25.00'	16	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#7	1'-2"	6'-3"	7'-5"	26	8'-3 1/2"	8'-1" to 8'-6"	51	#7	8'-3 1/2"	8'-1" to 8'-6"	51	#4	8'-2"	20	24'-8"	51	#6	8'-2"	-	8'-2"	51	5'-0"
	47	B	25.00'	16	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#7	1'-2"	6'-3"	7'-5"	26	8'-1"	7'-8" to 8'-6"	51	#7	8'-1"	7'-8" to 8'-6"	51	#4	8'-2"	20	24'-8"	51	#6	8'-2"	-	8'-2"	51	5'-0"
	48	B	25.00'	16	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#7	1'-2"	6'-3"	7'-5"	26	7'-2 1/2"	6'-9" to 7'-8"	51	#7	7'-2 1/2"	6'-9" to 7'-8"	51	#4	8'-2"	20	24'-8"	51	#6	8'-2"	-	8'-2"	51	5'-0"
	49	B	25.00'	14	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#7	1'-2"	6'-3"	7'-5"	26	6'-4"	5'-11" to 6'-9"	51	#7	6'-4"	5'-11" to 6'-9"	51	#4	8'-2"	20	24'-8"	51	#6	8'-2"	-	8'-2"	51	5'-0"
	50	B	25.00'	12	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#7	1'-2"	6'-3"	7'-5"	26	5'-5 1/2"	5'-0" to 5'-11"	51	#7	5'-5 1/2"	5'-0" to 5'-11"	51	#4	8'-2"	20	24'-8"	51	#6	8'-2"	-	8'-2"	51	5'-0"
	51	B	25.00'	8	24'-8"	-	-	-	2	24'-8"	26	3'-9"	51	#7	1'-2"	6'-3"	7'-5"	26	3'-7"	3'-2" to 4'-0"	51	#7	3'-7"	3'-2" to 4'-0"	51	#4	8'-2"	20	24'-8"	51	#6	8'-2"	-	8'-2"	51	5'-0"

WALL 'C' SCHEDULE

WALL	PANEL NO.	PANEL TYPE	PANEL LENGTH	DIMENSIONS WALL HEIGHT MIN.	WALL HEIGHT MAX.	WALL HEIGHT AVG.	FOOTING W	FOOTING D
	1	A	18.75'	3.00'	4.80'	3.90'	5'-0"	2'-0"
	2	A	18.75'	4.80'	6.61'	5.70'	7'-6"	2'-0"
	3	A	25.00'	6.61'	9.01'	7.81'	7'-6"	2'-0"
	4	A	25.00'	6.41'	8.81'	7.61'	7'-6"	2'-0"
	5	A	25.00'	8.81'	11.22'	10.01'	7'-6"	2'-0"
	6	A	25.00'	8.32'	10.72'	9.52'	7'-6"	2'-0"
	7	A	34.46'	8.72'	13.24'	10.98'	7'-6"	2'-0"
	8	A	25.00'	9.04'	9.99'	9.52'	7'-6"	2'-0"
	9	A	25.00'	9.99'	10.94'	10.47'	7'-6"	2'-0"
	10	A	25.00'	8.24'	9.19'	8.72'	7'-6"	2'-0"
	11	A	25.00'	6.89'	7.85'	7.37'	7'-6"	2'-0"
	12	A	21.97'	7.85'	8.68'	8.26'	7'-6"	2'-0"
	13	A	28.03'	5.18'	6.25'	5.72'	7'-6"	2'-0"
	14	A	25.00'	6.25'	7.20'	6.72'	7'-6"	2'-0"
	15	A	25.00'	4.90'	5.64'	5.27'	5'-0"	2'-0"
	16	A	25.00'	5.64'	6.39'	6.02'	7'-6"	2'-0"
	17	A	25.00'	4.19'	4.38'	4.29'	5'-0"	2'-0"
	18	A	25.00'	4.38'	4.58'	4.48'	5'-0"	2'-0"
	19	A	25.00'	6.53'	6.68'	6.60'	7'-6"	2'-0"
	20	A	25.00'	6.37'	6.53'	6.45'	7'-6"	2'-0"
	21	A	25.00'	8.32'	8.47'	8.40'	7'-6"	2'-0"
	22	A	25.00'	8.17'	8.32'	8.24'	7'-6"	2'-0"
	23	A	25.00'	8.01'	8.17'	8.09'	7'-6"	2'-0"
	24	A	25.00'	11.86'	12.02'	11.94'	7'-6"	2'-0"
	25	A	25.00'	11.71'	11.86'	11.79'	7'-6"	2'-0"
'C'	26	A	25.00'	11.56'	11.71'	11.63'	7'-6"	2'-0"
	27	A	25.00'	9.70'	9.86'	9.78'	7'-6"	2'-0"
	28	A	25.00'	9.55'	9.70'	9.63'	7'-6"	2'-0"
	29	A	25.00'	9.55'	9.83'	9.69'	7'-6"	2'-0"
	30	A	25.00'	7.73'	8.01'	7.87'	7'-6"	2'-0"
	31	A	25.00'	8.01'	8.28'	8.14'	7'-6"	2'-0"
	32	A	25.00'	8.28'	8.56'	8.42'	7'-6"	2'-0"
	33	A	25.00'	8.56'	8.84'	8.70'	7'-6"	2'-0"
	34	A	25.00'	8.84'	9.12'	8.98'	7'-6"	2'-0"
	35	A	25.00'	9.12'	9.39'	9.26'	7'-6"	2'-0"
	36	A	25.00'	7.09'	7.37'	7.23'	7'-6"	2'-0"
	37	A	25.00'	7.37'	7.65'	7.51'	7'-6"	2'-0"
	38	A	25.00'	7.65'	7.93'	7.79'	7'-6"	2'-0"
	39	A	25.00'	8.53'	8.81'	8.67'	7'-6"	2'-0"
	40	A	25.00'	4.91'	5.18'	5.05'	5'-0"	2'-0"
	41	A	25.00'	5.18'	5.46'	5.32'	5'-0"	2'-0"
	42	A	25.00'	5.46'	5.74'	5.60'	5'-0"	2'-0"
	43	B	25.00'	3.64'	5.19'	4.41'	8'-6"	2'-0"
	44	B	25.00'	5.19'	6.73'	5.96'	8'-6"	2'-0"
	45	B	25.00'	6.73'	8.28'	7.51'	8'-6"	2'-0"
	46	B	25.00'	8.28'	8.71'	8.50'	8'-6"	2'-0"
	47	B	25.00'	7.84'	8.71'	8.28'	8'-6"	2'-0"
	48	B	25.00'	6.98'	7.84'	7.41'	8'-6"	2'-0"
	49	B	25.00'	6.11'	6.98'	6.55'	8'-6"	2'-0"
	50	B	25.00'	5.25'	6.11'	5.68'	8'-6"	2'-0"
	51	B	25.00'	3.38'	4.25'	3.81'	8'-6"	2'-0"



FOOTING CUTOUT FOR POWER POLES

(TYPE "B" PANELS ONLY)

NOTE:
FIELD CUT ALL F BARS 2"
CLEAR OF FOOTING CUTOUT

2 FOOTING CUTOUTS SHALL BE REQUIRED:
1 IN PANEL 43 AT STA. 173 + 37.5 C.R.L. 25TH
1 IN PANEL 44 AT STA. 177 + 71.5 C.R.L. 25TH

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SAMANTHA HENRICH 32024 LICENSED PROFESSIONAL ENGINEER OKLAHOMA

C.I.P. WALL DETAILS (5)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	4/2023	APPROVED:
DESIGNED			
SURVEY			
PROJ. MGR.			
LEAD ENGR.		6/25	
FIELD MGR.		6/25	
RECOMMENDED: DESIGN MANAGER		7-2-25	CITY ENGINEER

FILE: H:\21-1009 DRAWING\21-1009 Wall Details
ATLAS PAGE NO:
DATE: 7/3/2025
SHEET S48 OF 268 SHEETS

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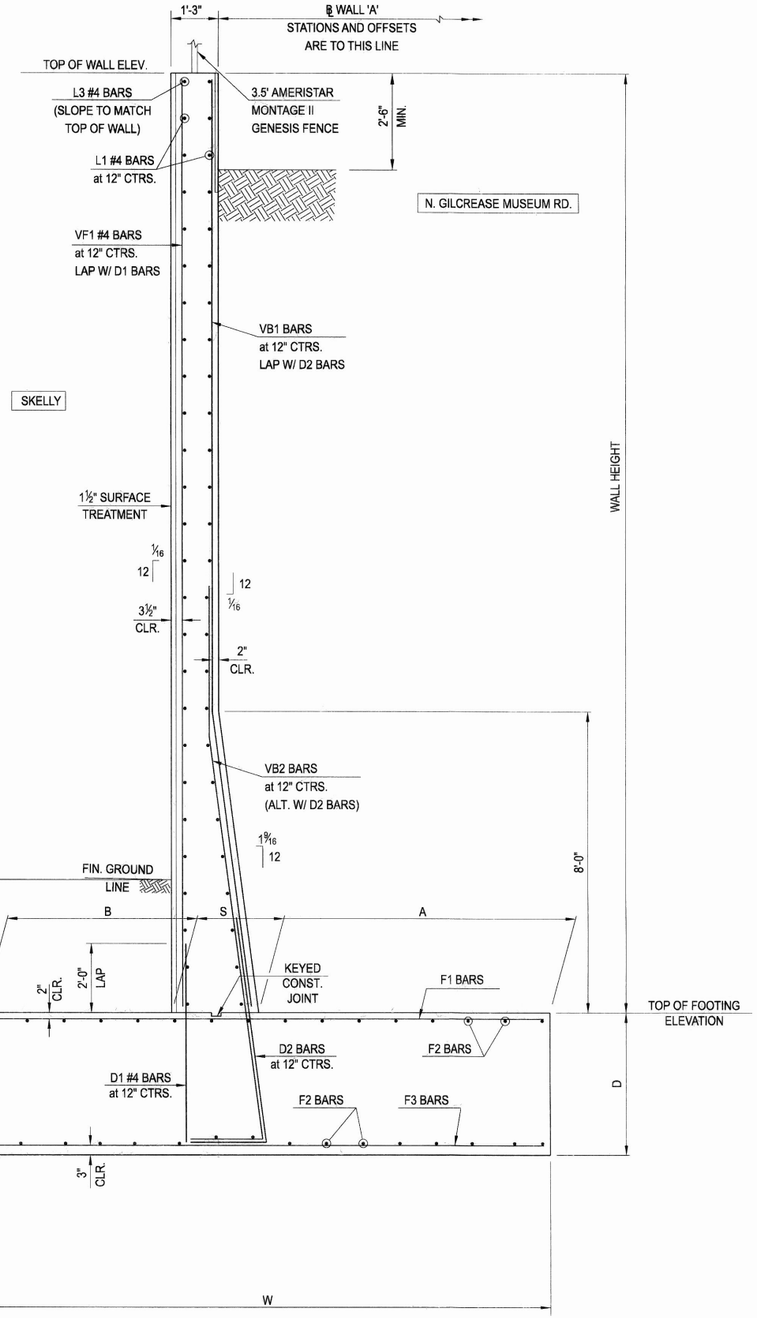
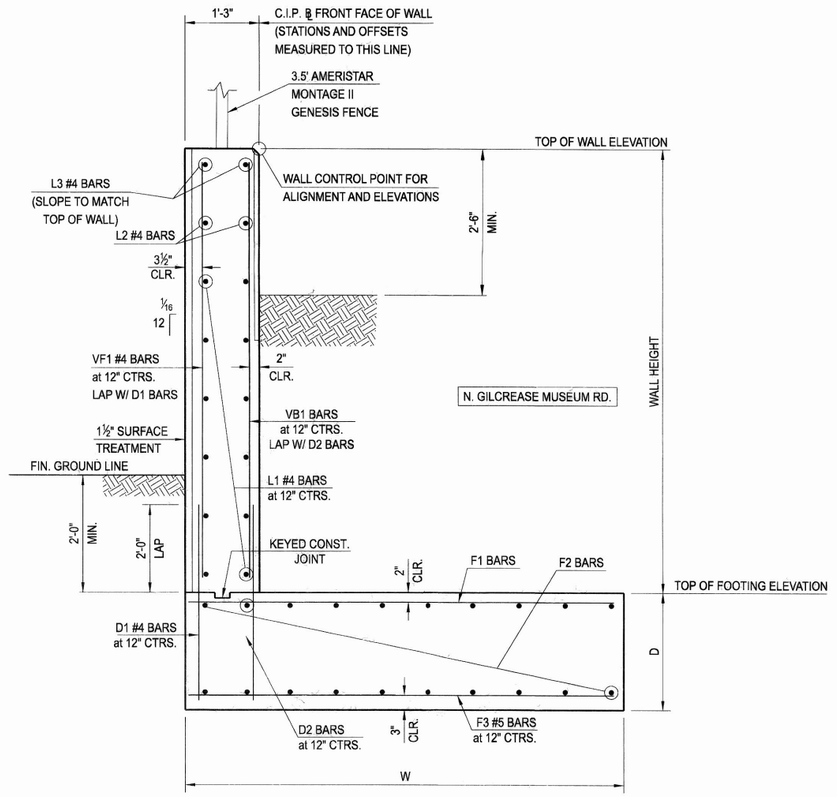


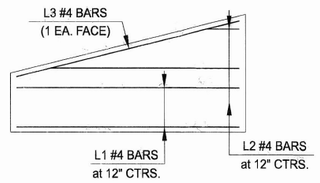
C.I.P. WALL 'A' SECTION

TYPE 'E'



C.I.P. WALL SECTION

TYPE 'D'



LONGIT. WALL REINF. DETAIL





REVISION	BY	DATE

C.I.P. WALL DETAILS (6)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A	DRAWN	POE	4/2023	APPROVED:
	DESIGNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		10/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009 Wall Details			DATE: 7/3/2025
ATLAS PAGE NO:				SHEET S49 OF 268 SHEETS

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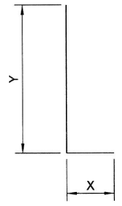
WALL 'E' BAR LIST

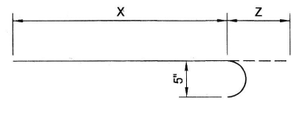
WALL	PANEL NO.	PANEL TYPE	PANEL LENGTH	L1 BARS #4 at 12" CTRS. NO.	L1 BARS #4 at 12" CTRS. LENGTH	L3 BARS #4 NO.	L3 BARS #4 LENGTH	D1 BARS #4 at 12" CTRS. NO.	D1 BARS #4 at 12" CTRS. LENGTH	D2 BARS at 12" CTRS (BENT BAR) NO.	SIZE	θ	X	Y	LENGTH	VF1 BARS #4 at 12" CTRS. (LAP WITH D1 BARS) NO.	LENGTH (AVG.)	LENGTH VAR.	VB1 BARS at 12" CTRS (LAP WITH D2 BARS) (BENT BAR) NO.	SIZE	Y	Z VAR.	LENGTH (AVG.)	VB2 BARS at 12" CTRS (BENT BAR) NO.	SIZE	θ	X	Y	Z	LENGTH	F1 BARS NO.	SIZE	SPACING	LENGTH	F2 BARS NO.	SIZE	SPACING	LENGTH	F3 BARS NO.	SIZE	SPACING	LENGTH
'E'	1	D	20.00'	10	19'-8"	2	19'-8"	21	3'-9"	21	#4	90°	8"	3'-9"	4'-5"	21	4'-9"	-	21	#4	-	4'-9"	4'-9"	-	-	-	-	-	-	-	21	#4	12"	5'-8"	14	#4	12"	19'-8"	21	#4	12"	5'-8"
	2	D	20.00'	18	19'-8"	2	19'-8"	21	3'-9"	21	#4	90°	8"	3'-9"	4'-5"	21	8'-3"	-	21	#4	-	8'-3"	8'-3"	-	-	-	-	-	-	-	21	#4	12"	5'-8"	14	#4	12"	19'-8"	21	#4	12"	5'-8"
	3	E	20.00'	48	19'-8"	2	19'-8"	21	4'-9"	21	#7	82.5°	1'-2"	6'-2"	7'-4"	21	23'-10 1/2"	23'-10" to 23'-11"	21	#7	8'-1"	15'-10" to 15'-11"	23'-11 1/2"	20	#7	82.5°	1'-2"	10'-10"	3'-3"	15'-3"	41	#6	6"	14'-8"	62	#4	6"	19'-8"	21	#5	12"	14'-8"
	4	E	20.00'	50	19'-8"	2	19'-8"	21	4'-9"	21	#7	82.5°	1'-2"	6'-2"	7'-4"	21	24'-1"	23'-11" to 24'-3"	21	#7	8'-1"	15'-11" to 16'-3"	24'-2"	20	#7	82.5°	1'-2"	10'-10"	3'-3"	15'-3"	41	#6	6"	14'-8"	62	#4	6"	19'-8"	21	#5	12"	14'-8"
	5	E	20.00'	50	19'-8"	2	19'-8"	21	4'-9"	21	#7	82.5°	1'-2"	6'-2"	7'-4"	21	24'-5"	24'-3" to 24'-7"	21	#7	8'-1"	16'-3" to 16'-7"	24'-6"	20	#7	82.5°	1'-2"	10'-10"	3'-3"	15'-3"	41	#6	6"	14'-8"	62	#4	6"	19'-8"	21	#5	12"	14'-8"
	6	E	20.00'	40	19'-8"	2	19'-8"	21	4'-9"	21	#7	82.5°	1'-2"	6'-2"	7'-4"	21	18'-11"	18'-8" to 19'-2"	21	#7	8'-1"	10'-8" to 11'-2"	19'-0"	20	#7	82.5°	1'-2"	10'-10"	3'-3"	15'-3"	41	#6	6"	14'-8"	62	#4	6"	19'-8"	21	#5	12"	14'-8"
	7	D	20.00'	32	19'-8"	2	19'-8"	21	3'-9"	21	#5	90°	10"	4'-3"	5'-1"	21	14'-11 1/2"	14'-8" to 15'-3"	21	#5	-	14'-11 1/2"	14'-11 1/2"	20	#5	90°	10"	8'-6"	-	9'-4"	21	#4	12"	13'-8"	30	#5	12"	19'-8"	41	#4	6"	13'-8"
	8	D	20.00'	32	19'-8"	2	19'-8"	21	3'-9"	21	#5	90°	10"	4'-3"	5'-1"	21	15'-7 1/2"	15'-3" to 16'-0"	21	#5	-	15'-7 1/2"	15'-7 1/2"	20	#5	90°	10"	8'-6"	-	9'-4"	21	#4	12"	13'-8"	30	#5	12"	19'-8"	41	#4	6"	13'-8"
	9	D	20.00'	22	19'-8"	2	19'-8"	21	3'-9"	21	#5	90°	10"	4'-3"	5'-1"	21	10'-7"	10'-2" to 11'-0"	21	#5	-	10'-7"	10'-7"	20	#5	90°	10"	8'-6"	-	9'-4"	21	#4	12"	13'-8"	30	#5	12"	19'-8"	41	#4	6"	13'-8"
	10	D	20.00'	20	19'-8"	2	19'-8"	21	3'-9"	21	#4	90°	8"	3'-9"	4'-5"	21	8'-8 1/2"	8'-3" to 9'-2"	21	#4	-	8'-8 1/2"	8'-8 1/2"	-	-	-	-	-	-	-	21	#4	12"	5'-8"	14	#4	12"	19'-8"	21	#4	12"	5'-8"

WALL 'E' SCHEDULE

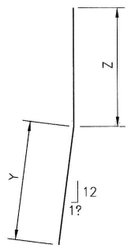
WALL	PANEL NO.	PANEL TYPE	PANEL LENGTH	DIMENSIONS WALL HEIGHT MIN.	WALL HEIGHT MAX.	WALL HEIGHT AVG.	FOOTING W	FOOTING D	FOOTING A	FOOTING B	FOOTING S
'E'	1	D	20.00'	4.96'	4.96'	4.96'	6'-0"	2'-0"	-	4'-9"	-
	2	D	20.00'	8.46'	8.51'	8.49'	6'-0"	2'-0"	-	4'-9"	-
	3	E	20.00'	24.01'	24.16'	24.09'	15'-0"	3'-0"	3'-0"	9'-8 1/2"	2'-3 1/2"
	4	E	20.00'	24.16'	24.42'	24.29'	15'-0"	3'-0"	3'-0"	9'-8 1/2"	2'-3 1/2"
	5	E	20.00'	24.42'	24.78'	24.60'	15'-0"	3'-0"	3'-0"	9'-8 1/2"	2'-3 1/2"
	6	E	20.00'	18.88'	19.34'	19.11'	15'-0"	3'-0"	3'-0"	9'-8 1/2"	2'-3 1/2"
	7	D	20.00'	14.84'	15.44'	15.14'	14'-0"	2'-0"	4'-0"	8'-9"	-
	8	D	20.00'	15.44'	16.17'	15.81'	14'-0"	2'-0"	4'-0"	8'-9"	-
	9	D	20.00'	10.37'	11.23'	10.80'	14'-0"	2'-0"	4'-0"	8'-9"	-
	10	D	20.00'	8.43'	9.35'	8.89'	6'-0"	2'-0"	-	4'-9"	-



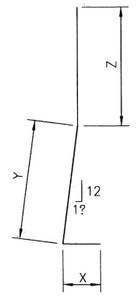
D2 BARS



F3 BARS



VB1 BARS



VB2 BARS

NOTE:
ALL BENT BAR DIMENSIONS ARE OUT TO OUT.

JARED T. BATES 20681 LICENSED PROFESSIONAL ENGINEER OKLAHOMA

BEFORE YOU DIG OKIE 811 CALL OKIE

SAMANTHA HENRICH 32024 LICENSED ENGINEER OKLAHOMA

C.I.P. WALL DETAILS (7)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	4/2023	APPROVED:
DESIGNED			
SURVEY			
PROJ. MGR.	DD	6/25	
LEAD ENGR.	SH	6/25	
FIELD MGR.	RM	6/25	
RECOMMENDED DESIGN MANAGER	HAS	7-25	CITY ENGINEER

FILE: H:\21-1009 DRAWING:21-1009 Wall Details
DATE: 7/3/2025
ATLAS PAGE NO:
SHEET S50 OF 268 SHEETS

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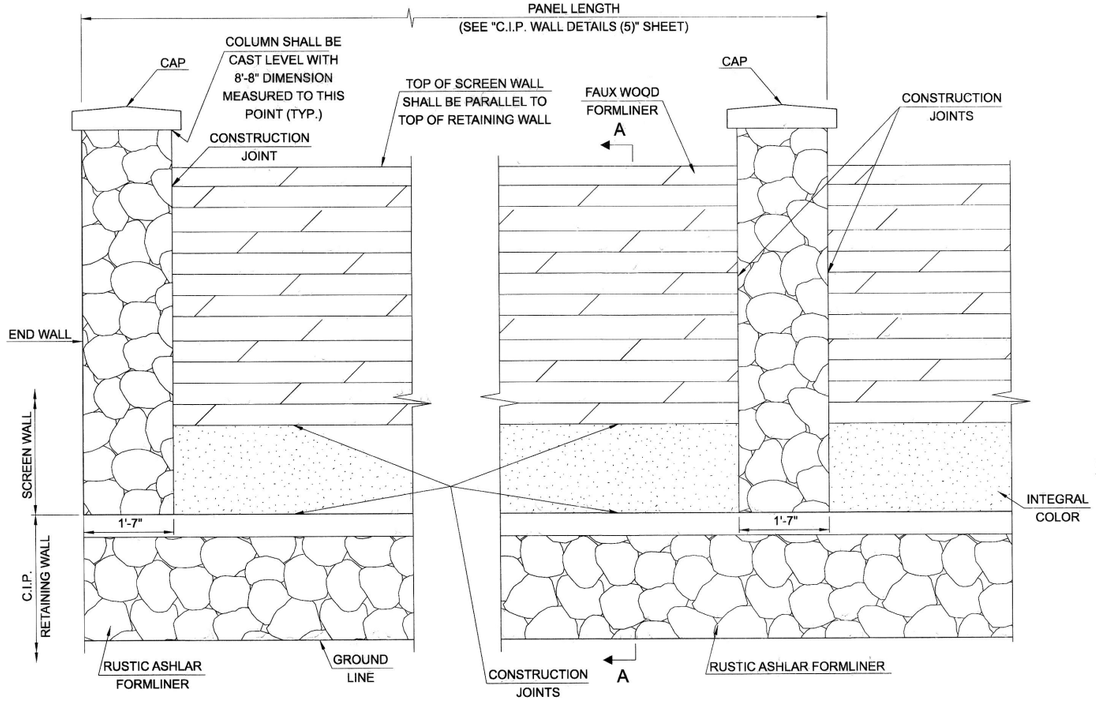
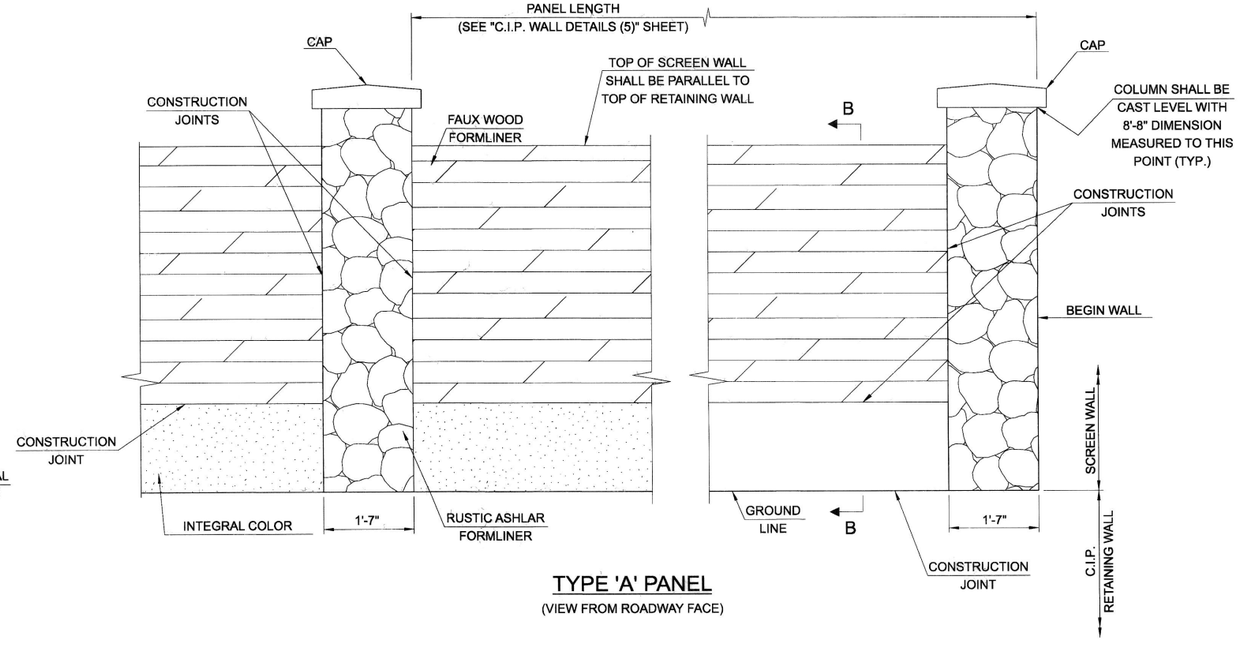


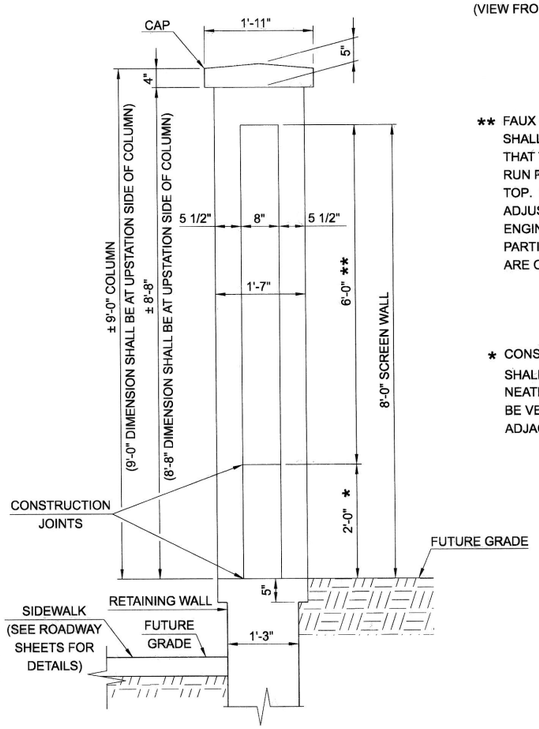
TYPE 'B' PANEL

(VIEW FROM ROADWAY FACE)

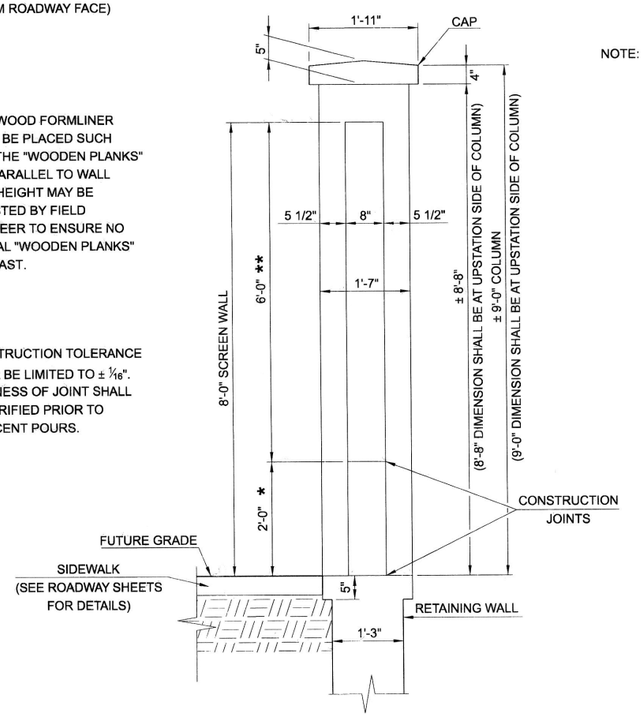


TYPE 'A' PANEL

(VIEW FROM ROADWAY FACE)



SECTION A-A



SECTION B-B

** FAUX WOOD FORMLINER SHALL BE PLACED SUCH THAT THE "WOODEN PLANKS" RUN PARALLEL TO WALL TOP. HEIGHT MAY BE ADJUSTED BY FIELD ENGINEER TO ENSURE NO PARTIAL "WOODEN PLANKS" ARE CAST.

* CONSTRUCTION TOLERANCE SHALL BE LIMITED TO ± 1/16". NEATNESS OF JOINT SHALL BE VERIFIED PRIOR TO ADJACENT POURS.

SCREEN WALL ELEVATION

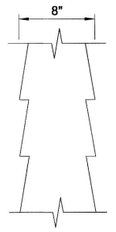
NOTE: THE FAUX WOOD PATTERN SHALL BE ACHIEVED USING 6" SHIP LAP #16928 FORMLINER PATTERN. CONCRETE USED WITH FAUX WOOD PATTERN SHALL INCLUDE INTEGRAL COLOR A.

THE RUSTIC ASHLAR PATTERN SHALL BE ACHIEVED USING RUSTIC ASHLAR #11019 FORMLINER PATTERN.

2'-0" HEIGHT CONCRETE WITH NO FORMLINER LABELED WITH "INTEGRAL COLOR" SHALL INCLUDE INTEGRAL COLOR B.

SCREEN WALL GENERAL NOTES:

1. SCREEN WALL SHALL BE DESIGNED BY THE CONTRACTOR WITH THE AESTHETIC DETAILS AS SHOWN HERE.
2. SCREEN WALL SHALL BE TIED TO THE RETAINING WALL WITH SW1 #5 BAR at 6" CENTERS AS SHOWN ON THE "C.I.P. WALL DETAILS" SHEETS.
3. ALL COSTS FOR SCREEN WALL INCLUDING CONCRETE, REINFORCING STEEL, CONCRETE SURFACE FORM LINERS, EXPANSION JOINTS, DESIGN, AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE PER LINEAR FOR OF "DECORATIVE WALL".
4. CONCRETE WITH INTEGRAL COLOR SHALL BE SEPERATED FROM DIFFERENT INTERGRAL COLOR AND CONCRETE WITHOUT INTEGRAL COLOR WITH CONSTRUCTION JOINTS.
5. COLUMN CAPS AS SHOWN ON PLANS ARE CAST IN PLACE. CONTRACTOR MAY INSTEAD USE PRE-CAST CAPS AT NO ADDITIONAL COST TO CITY OF TULSA.



FAUX WOOD "PLANK" ORIENTATION

NOTE:
FORMLINERS SHALL BE ORIENTED SUCH THAT THE WIDER END OF EACH "PLANK" IS AT THE "PLANK" BOTTOM TO PREVENT WATER PONDING ON THE FINISHED WALL.

SCREEN WALL DETAILS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A
PROFILE SCALE:

DRAWN	POE	2025
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED: DESIGN MANAGER		7-25

APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S51 OF 268 SHEETS

SAMANTHA HEINRICH 32024 OKLAHOMA LICENSED PROFESSIONAL ENGINEER

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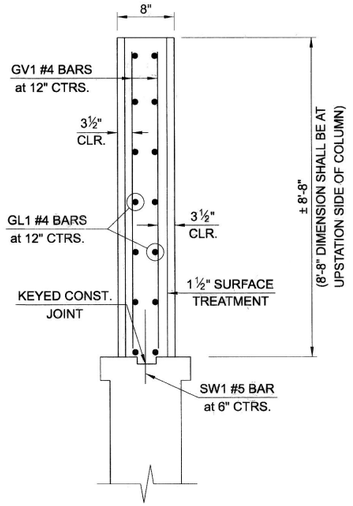
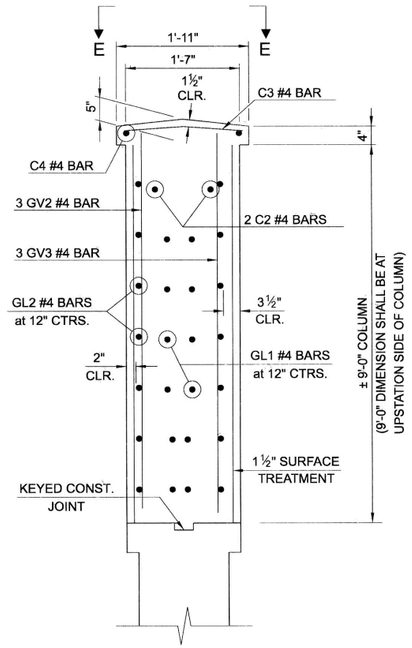
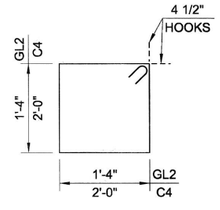


SECTION A-A

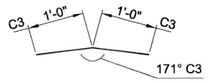


SECTION B-B

REBAR TABLE
TO BE PROVIDED
AT LATER DATE

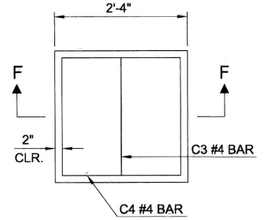


GL2 #4 x 6'-1"
C4 #4 x 8'-9"

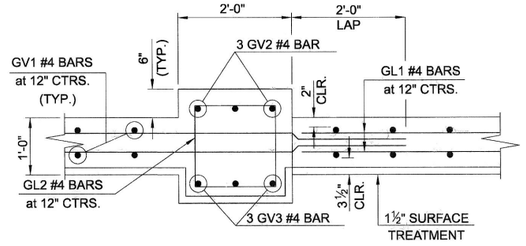


C3 #4 x 2'-0"

ALL BAR BENDS ARE OUT TO OUT.

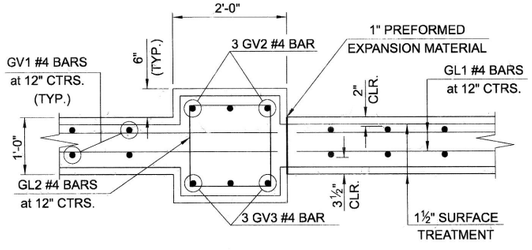


SECTION E-E



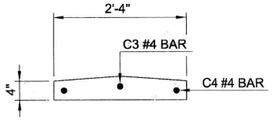
SECTION THRU WALL

(AT CONST. JOINT)



SECTION THRU WALL

(AT EXP. JOINT)



SECTION F-F





SCREEN WALL DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 2025
DESIGNED
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED 7-25
DESIGN MANAGER

APPROVED:
CITY ENGINEER

FILE: H\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S52 OF 268 SHEETS

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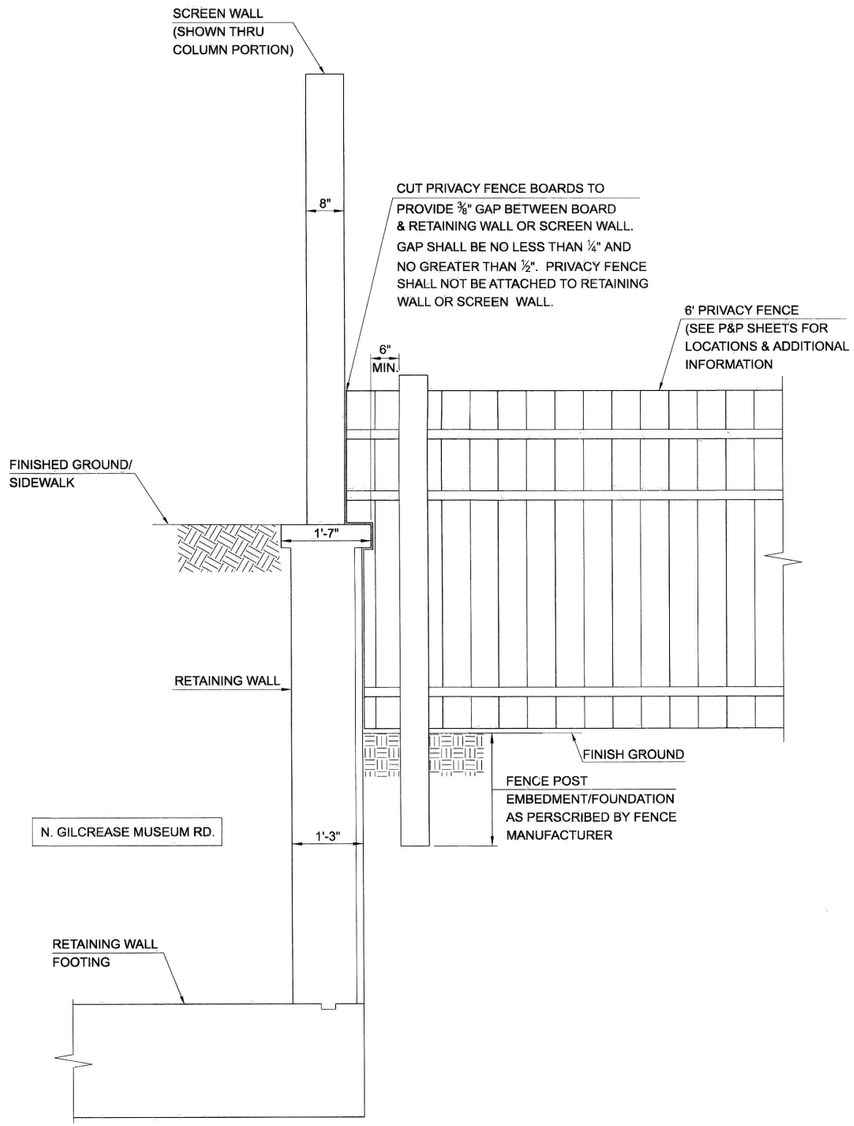
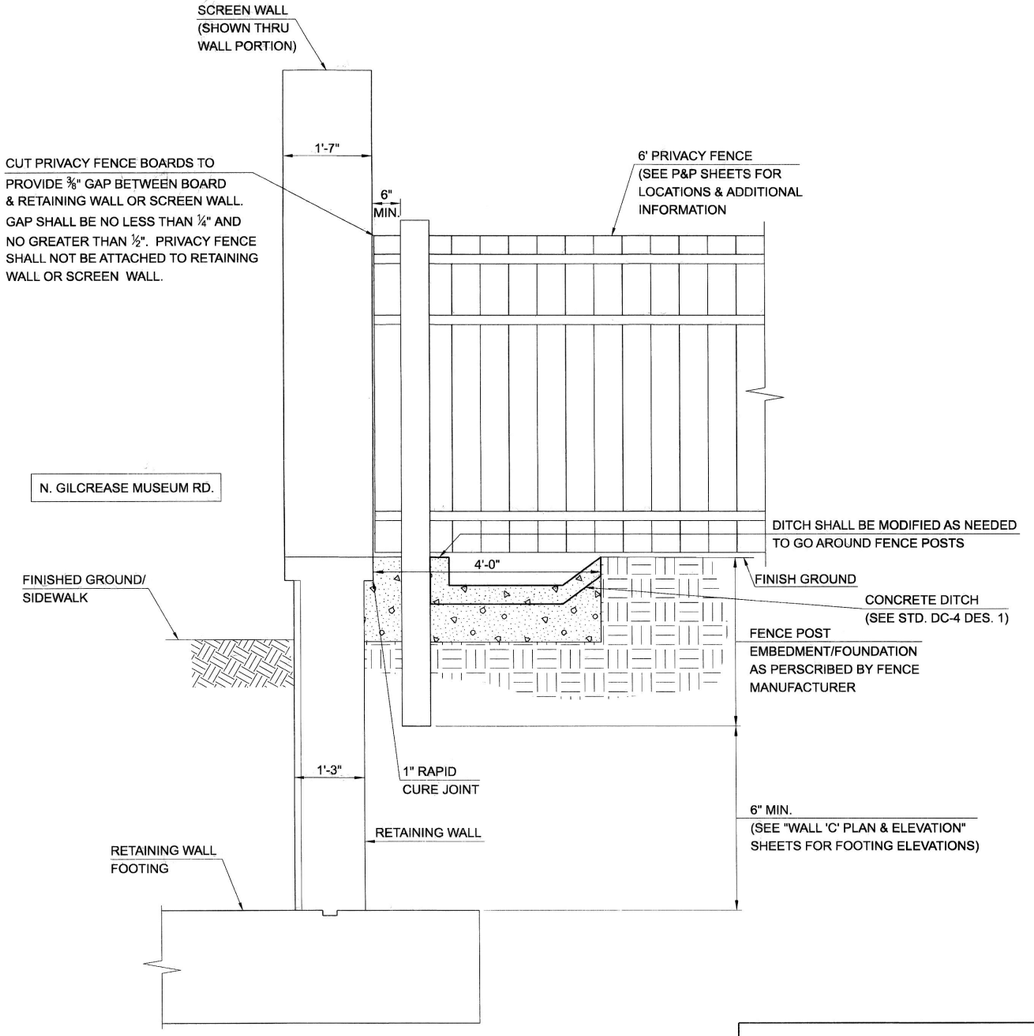


FENCE DETAIL NEXT TO WALL C

TYPE 'A' PANELS



FENCE DETAIL NEXT TO WALL C

TYPE 'B' PANELS

SCREEN WALL DETAILS (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/S. 25th W. AVE. WIDENING
PROJECT NOS. 144105, 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
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Tulsa, Oklahoma

REVISION	BY	DATE

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PROFILE SCALE: 1" = N/A
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	2025
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED		7-25
DESIGN MANAGER		

APPROVED:

CITY ENGINEER

DATE: 7/3/2025

FILE: H:\21-1009 DRAWING:

ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

SHEET S53 OF 268 SHEETS

BEFORE YOU DIG OKIE 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER
SAMANTHA HEINRICH
32024
OKLAHOMA

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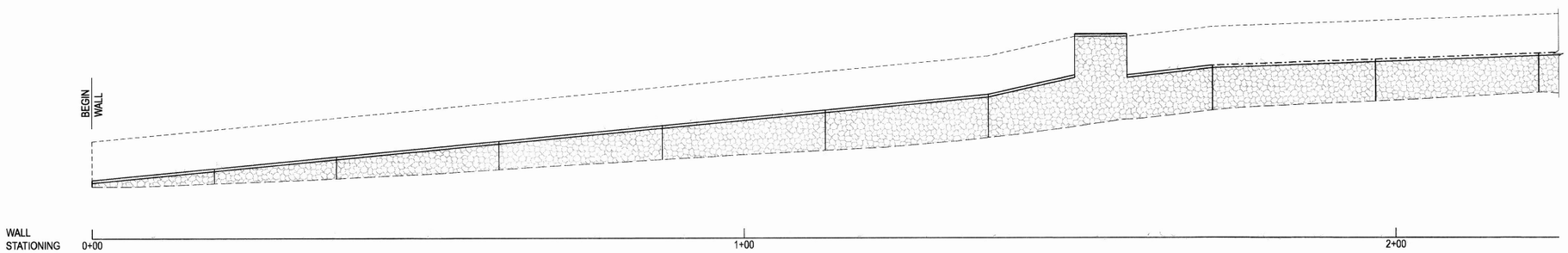

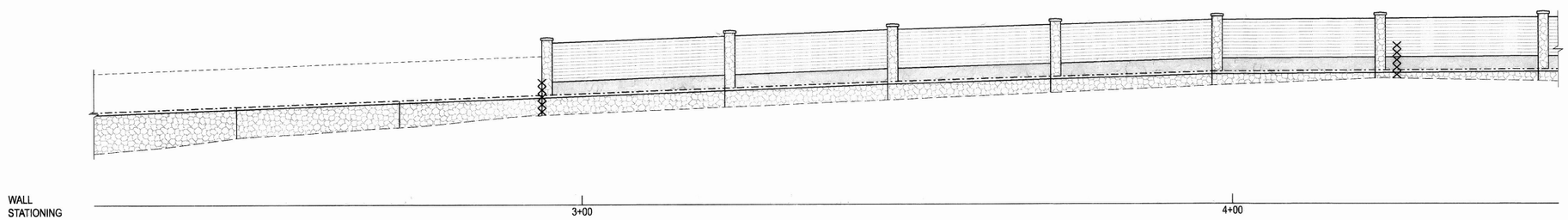

WALL C ELEVATION

(VIEWED FROM BACK YARDS)

LEGEND

- CONCRETE
- 6' AMERISTAR FENCE TOP
- EXISTING GROUND
- SIDEWALK TOP
- 6' PRIVATE FENCE
- FAUX WOOD FORMLINER
- RUSTIC ASHLAR FORMLINER
- INTEGRAL COLOR

BEFORE YOU DIG OKIE 811 CALL OKIE

SAMANTHA HEINRICH 32024 PROFESSIONAL ENGINEER OKLAHOMA

REVISION	BY	DATE

WALL C AESTHETIC ELEVATIONS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A	DRAWN	POE	2025	APPROVED:
	DESIGNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER	HBS	7/25	CITY ENGINEER
FILE: H:\21-1009	DRAWING:			DATE: 7/13/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET S54 OF 268 SHEETS

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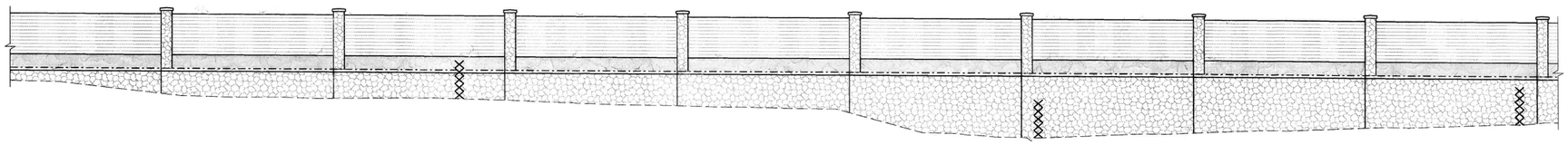
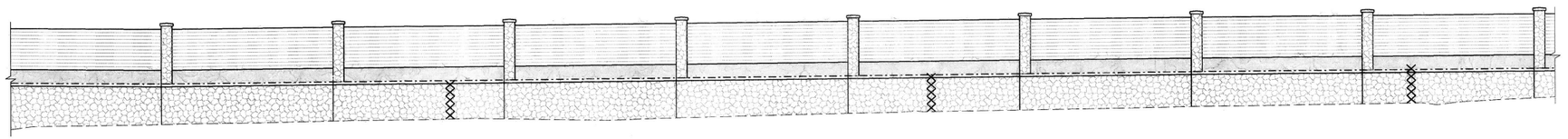


WALL STATIONING

5+00

6+00



WALL STATIONING

7+00

8+00

9+00

WALL C ELEVATION

(VIEWED FROM BACK YARDS)

LEGEND

- CONCRETE
- 6' AMERISTAR FENCE TOP
- EXISTING GROUND
- SIDEWALK TOP
- 6' PRIVATE FENCE
- FAUX WOOD FORMLINER
- RUSTIC ASHLAR FORMLINER
- INTEGRAL COLOR

BEFORE YOU DIG 811 OKIE CALL OKIE

SAMANTHA HEINRICH 32024 PROFESSIONAL ENGINEER OKLAHOMA

WALL C AESTHETIC ELEVATIONS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE	7.2025
	DESIGNED		
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	DDO	6/25
HORIZONTAL: 1" = N/A	LEAD ENGR.	@	6/25
	FIELD MGR.	DMH	6/25
VERTICAL 1" = N/A	RECOMMENDED DESIGN MANAGER	HHS	7-25

APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:

DATE: 7/3/2025

ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

SHEET S55 OF 268 SHEETS

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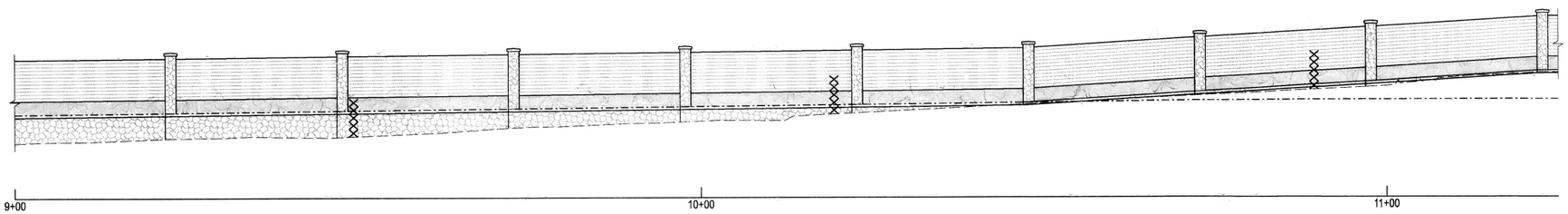

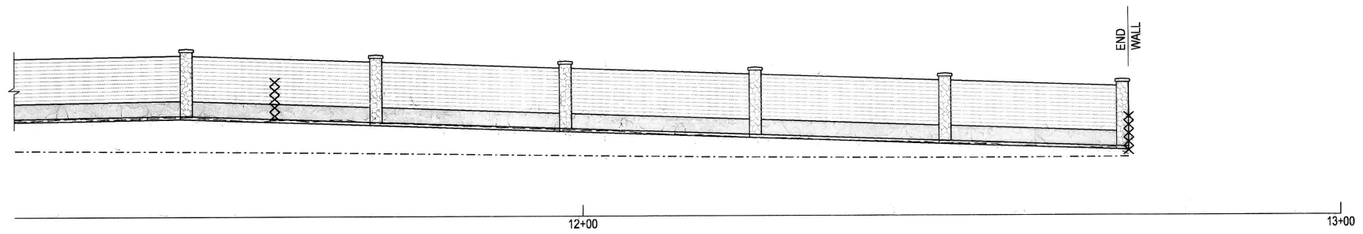

WALL C ELEVATION

(VIEWED FROM BACK YARDS)

LEGEND

- CONCRETE
- 6' AMERISTAR FENCE TOP
- EXISTING GROUND
- SIDEWALK TOP
- 6' PRIVATE FENCE
- FAUX WOOD FORMLINER
- RUSTIC ASHLAR FORMLINER
- INTEGRAL COLOR

BEFORE YOU DIG 811 OKIE CALL OKIE

PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

REVISION	BY	DATE

WALL C AESTHETIC ELEVATIONS (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A	DRAWN	POE 2025	APPROVED:
	DESIGNED		
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	6/25	
	LEAD ENGR.	6/25	
HORIZONTAL: 1" = N/A	FIELD MGR.	6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER	7-7-25	CITY ENGINEER
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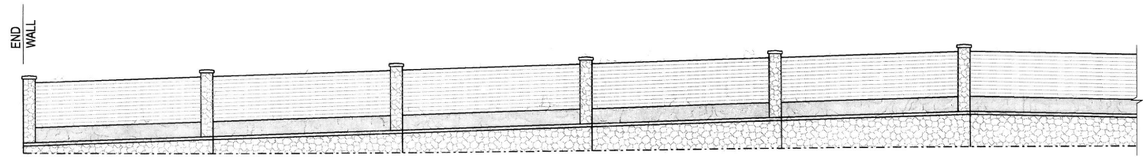
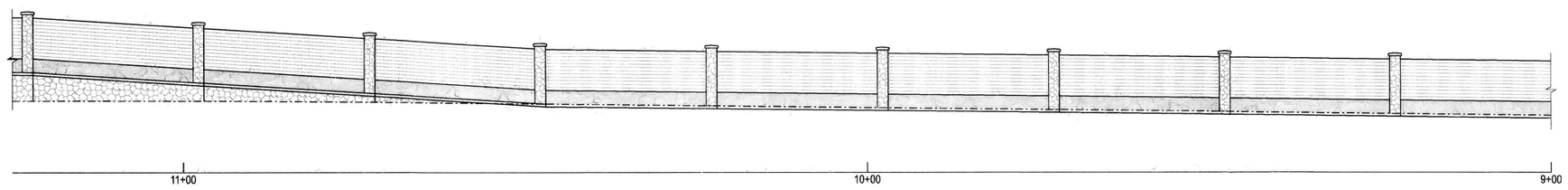


WALL STATIONING 13+00 12+00



WALL STATIONING 11+00 10+00 9+00

WALL C ELEVATION

(VIEWED FROM SIDEWALK)

LEGEND

- CONCRETE
- 6' AMERISTAR FENCE TOP
- SIDEWALK TOP
- FAUX WOOD FORMLINER
- RUSTIC ASHLAR FORMLINER
- INTEGRAL COLOR

BEFORE YOU DIG OKIE 811 CALL OKIE

SAMANTHA HEINRICH 32024 PROFESSIONAL ENGINEER OKLAHOMA

WALL C AESTHETIC ELEVATIONS (4)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	2025
DESIGNED		
SURVEY		
PROJ. MGR.	DJD	6/25
LEAD ENGR.	DJD	6/25
FIELD MGR.		6/25
RECOMMENDED		7-25
DESIGN MANAGER		

APPROVED:

CITY ENGINEER

FILE: H:\21-1009 DRAWING:

DATE: 7/3/2025

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SHEET S57 OF 268 SHEETS

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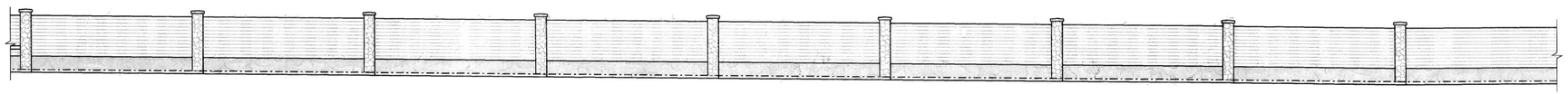
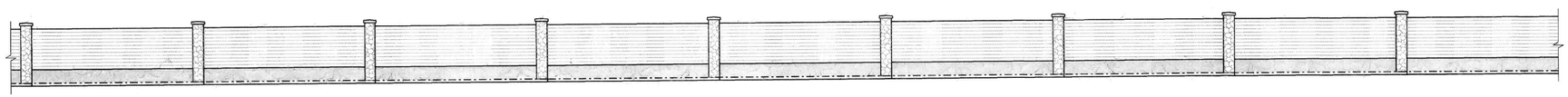


WALL STATIONING 9+00 8+00 7+00



WALL STATIONING 6+00 5+00

WALL C ELEVATION

(VIEWED FROM SIDEWALK)

LEGEND

- CONCRETE
- 6' AMERISTAR FENCE TOP
- SIDEWALK TOP
- FAUX WOOD FORMLINER
- RUSTIC ASHLAR FORMLINER
- INTEGRAL COLOR

BEFORE YOU DIG OKIE 811 CALL OKIE

PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

WALL C AESTHETIC ELEVATIONS (5)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE	2025
	DESIGNED		
	SURVEY		
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HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25
	FIELD MGR.		6/25
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER		7-25
	APPROVED: CITY ENGINEER		
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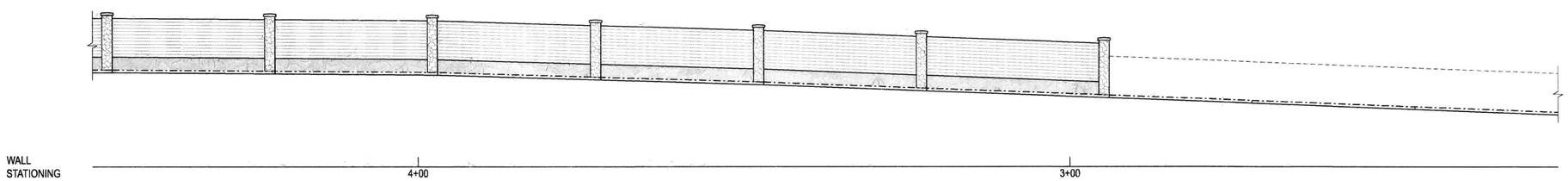

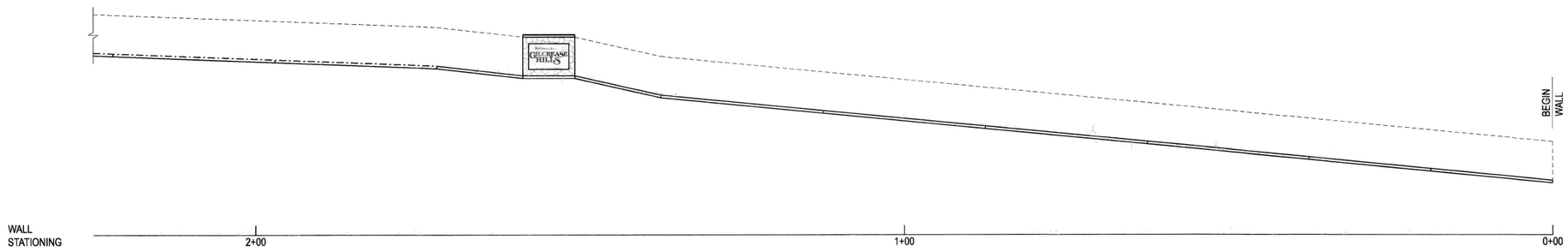

WALL C ELEVATION

(VIEWED FROM SIDEWALK)

LEGEND

- CONCRETE
- 6' AMERISTAR FENCE TOP
- SIDEWALK TOP
- FAUX WOOD FORMLINER
- RUSTIC ASHLAR FORMLINER
- INTEGRAL COLOR

BEFORE YOU DIG 811 CALL OKIE

SAMANTHA HEINRICH 32024 LICENSED PROFESSIONAL ENGINEER OKLAHOMA

WALL C AESTHETIC ELEVATIONS (6)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	2025	APPROVED:
DESIGNED			
SURVEY			
PROJ. MGR.		6/25	
LEAD ENGR.		6/25	
FIELD MGR.		6/25	
RECOMMENDED: DESIGN MANAGER		7.2.25	CITY ENGINEER

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SHEET S59 OF 288 SHEETS

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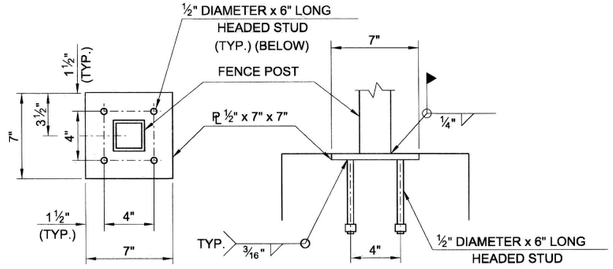
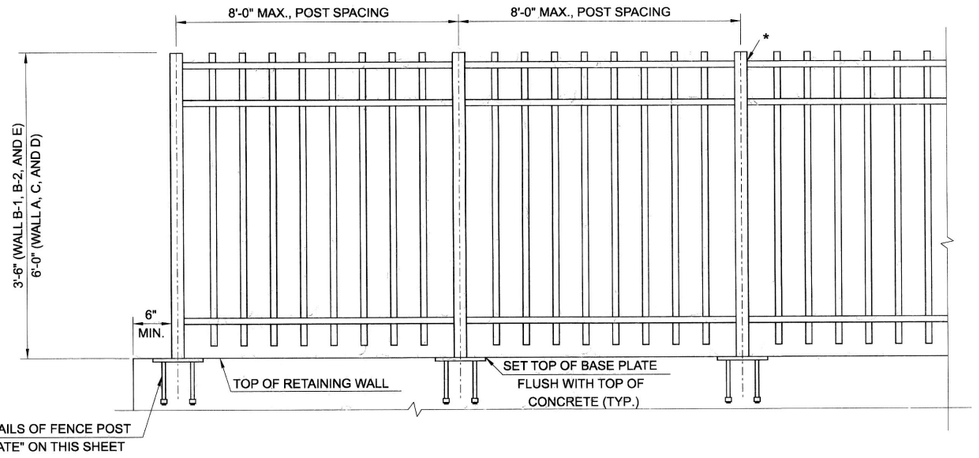


PLAN ELEVATION

DETAILS OF FENCE POST BASE PLATE



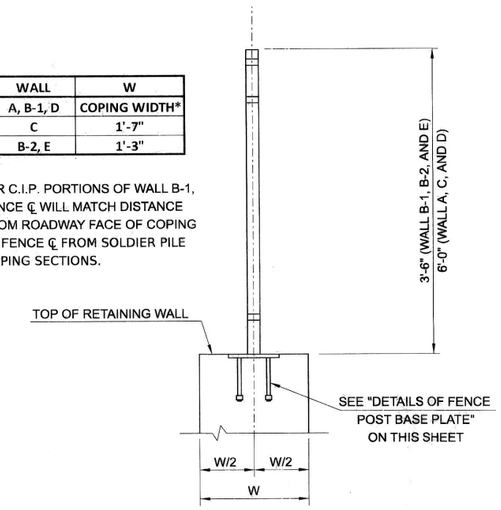
TYPICAL END POST TYPICAL INTERIOR POST TYPICAL EXPANSION JOINT DETAIL

FENCE ELEVATION

* INDUSTRIAL SWIVEL BRACKET OR INDUSTRIAL FLAT MOUNT BRACKET SHALL BE USED TO ALLOW ADDITIONAL EXPANSION AT ALL RETAINING WALL EXPANSION JOINTS. IF MANUFACTURER DETERMINES BRACKET WILL NOT PERMIT ADEQUATE EXPANSION, CONTRACTOR TO PROVIDE ALTERNATE EXPANSION METHOD THAT SHALL BE APPROVED BY THE ENGINEER.

WALL	W
A, B-1, D	COPING WIDTH*
C	1'-7"
B-2, E	1'-3"

* FOR C.I.P. PORTIONS OF WALL B-1, FENCE ℄ WILL MATCH DISTANCE FROM ROADWAY FACE OF COPING TO FENCE ℄ FROM SOLDIER PILE COPING SECTIONS.



TYPICAL SECTION THRU FENCE

NOTE: SEE WALL PLAN & ELEVATION SHEETS FOR FENCE EXTENTS.

FENCE GENERAL NOTES:

1. FENCE SHALL BE AMERISTAR MONTAGE II GENESIS OR VINYL COATED CLF AS SPECIFIED ON THE WALL PLAN AND ELEVATION SHEETS. AMERISTAR MONTAGE II GENESIS FENCE IS SHOWN IN THESE DETAILS; FENCE POST BASE PLATE, HEADED STUDS, POST SPACING, ETC. SHALL BE SIMILAR FOR VINYL COATED CLF.
2. ALL FENCE PANELS SHALL BE IN THE RACKED CONFIGURATION.
3. CONTRACTOR SHALL COORDINATE WITH AMERISTAR FENCE TO ENSURE BASE PLATES ARE COMPATIBLE WITH FENCE LAYOUT. CHANGES TO BASE PLATE ARE PERMITTED IF THEY ARE APPROVED BY THE ENGINEER.
4. FABRICATE ALL ELEMENTS IN ACCORDANCE WITH ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE AND SUBSECTION 724.03 OF THE STANDARD SPECIFICATIONS. WELD METAL USED FOR SHOP AND FIELD WELDS SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 K.S.I.
5. STEEL PLATES SHALL CONFORM TO ASTM A572, GRADE 50.
6. HEADED STUDS SHALL CONFORM TO ASTM A108, GRADE 1015, 1018, OR 1020.
7. ALL BASE PLATE COMPONENTS SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 732 OF THE STANDARD SPECIFICATIONS.
8. ALL WELDED CONNECTIONS SHALL BE THOROUGHLY CLEANED OF ALL LOOSE SCALE AND GROUND SMOOTH.
9. AFTER FIELD FABRICATION, REPAIR SURFACE DEFECTS AND WELDED CONNECTIONS OF THE BASE PLATE IN ACCORDANCE WITH THE SECTIONS 512 AND 730 OF THE STANDARD SPECIFICATIONS. THE SURFACE TO BE REPAIRED SHALL BE PREPARED IN ACCORDANCE WITH SECTION 512 OF THE STANDARD SPECIFICATIONS. ENSURE SURFACES ARE COATED WITH TWO COATS OF ZINC-DUST ZINC-OXIDE PRIMER IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS.
10. SHOP DETAILS FOR ALL FENCE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
11. ALL COSTS FOR FENCE INCLUDING AMERISTAR FENCE, BASE PLATES, HEADED STUDS, WELDING, AND ATTACHMENTS, CLEANING, PAINTING, MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE PER LINEAR FOOT OF "ORNAMENTAL 42" AMERISTAR FENCE" OR "ORNAMENTAL 72" AMERISTAR FENCE".
12. ALL COSTS FOR FENCE INCLUDING VINYL COATED CLF, BASE PLATES, HEADED STUDS, WELDING, AND ATTACHMENTS, CLEANING, PAINTING, MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE PER LINEAR FOOT OF "FENCE-STYLE CLF (6' HIGH, VINYL COATED" .

BEFORE YOU DIG OKIE 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

FENCE DETAILS

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	AJE 2025	APPROVED:
	DESIGNED		
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.	6/25	
	FIELD MGR.	6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER	7/25	CITY ENGINEER
FILE: H:\21-1009	DRAWING:		DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET S60 OF 268 SHEETS

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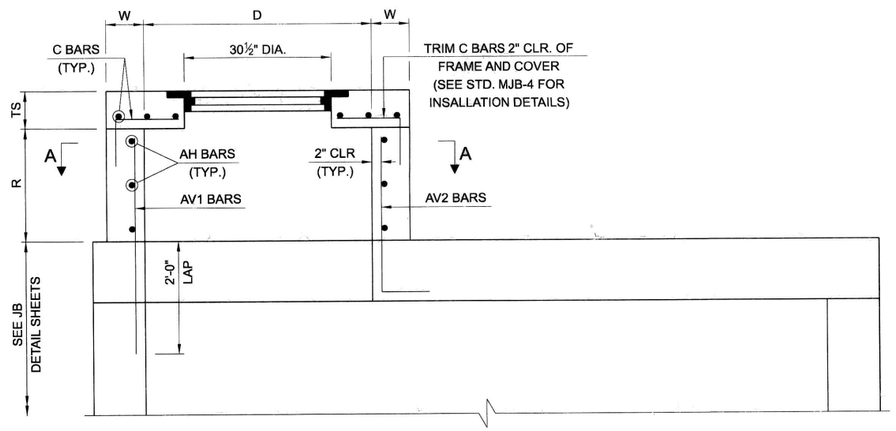
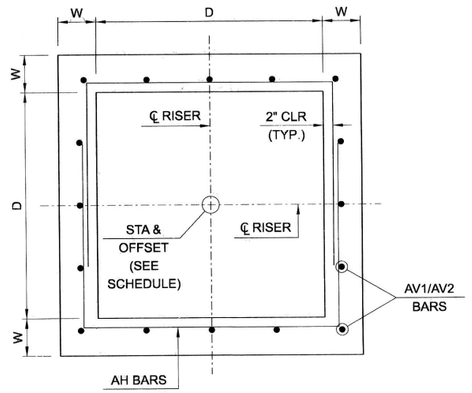
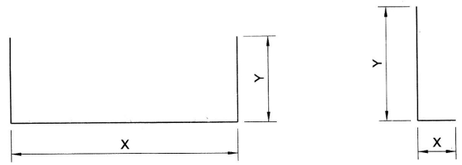


JUNCTION BOX RISER
ELEVATION



SECTION A-A



AH BARS
C BARS

AV2 BARS

ALL BAR BENDS ARE OUT TO OUT

DESIGN DATA

DESIGNED IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION.

MATERIALS:
CONCRETE (CLASS AA) F'c = 4 KSI
REINFORCING STEEL Fy = 60 KSI

JUNCTION BOX AND RISER NOTES:
THE CONTRACTOR SHALL MAINTAIN DRAINAGE AT ALL TIMES DURING CONSTRUCTION.

SEE ROADWAY PLAN & PROFILE SHEETS AND CROSS-SECTION SHEETS FOR GRADING DETAILS.

ALL REINFORCING STEEL SHALL HAVE 2" MINIMUM CLEARANCE UNLESS OTHERWISE SHOWN ON PLANS.

FIELD CUT ALL BARS 2" CLEAR OF PIPE OPENINGS.

OPENINGS IN THE WALLS OF THE JUNCTION BOXES FOR RCP PIPES ARE DEDUCTED FROM THE CLASS "AA" CONCRETE QUANTITIES. NO DEDUCTIONS ARE MADE FOR REINFORCING STEEL TO BE CUT TO ACCOMMODATE PIPE.

ALL COST FOR CLASS "AA" CONCRETE, LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO PLACE CLASS "AA" CONCRETE SHALL BE INCLUDED IN PRICE BID PER CUBIC YARD OF "CLASS AA CONCRETE".

ALL COST FOR REINFORCING STEEL, LABOR, MATERIALS, TOOLS AND OTHER INCIDENTALS NECESSARY TO PLACE REINFORCING STEEL SHALL BE INCLUDED IN PRICE BID PER POUND OF "REINFORCING STEEL".

COST OF MATERIALS, LABOR AND INCIDENTALS TO CONSTRUCT PIPE STUBS SHALL BE INCLUDED IN PRICE BID PER CUBIC YARD OF "CLASS AA CONCRETE".

SEE ODOT STANDARDS MJB-4 AND MFC-5 MANHOLE FRAME, COVER, AND INSTALLATION DETAILS.

RISER SCHEDULE AND BAR LIST

STRUCTURE	LOCATION		DIMENSIONS				C BARS (BENT BAR)						AH BARS (BENT BAR)						AV1 BARS at 12" CTRS			AV2 BARS at 12" CTRS (BENT BAR)				
	STATION	OFFSET	TS	W	D	R	NO.	SIZE	SPACING	X	Y	LENGTH	NO.	SIZE	SPACING	X	Y	LENGTH	NO.	SIZE	LENGTH	NO.	SIZE	X	Y	LENGTH
JB-4	133+33.64	41.25' LT.	8"	8"	4'-0"	1.03'	18	#5	6"	4'-6"	1'-0"	6'-6"	6	#4	6"	4'-5"	3'-3"	10'-11"	5	#4	2'-10"	11	#4	8"	1'-9"	2'-5"
JB-5	134+08.50	27.25' LT.	8"	7"	4'-0"	1.15'	18	#5	6"	4'-6"	1'-0"	6'-6"	6	#4	6"	4'-5"	3'-3"	10'-11"	9	#4	2'-11"	7	#4	8"	1'-11"	2'-7"
JB-6	135+50.07	39.56' LT.	8"	8"	5'-0"	1.94'	12	#5	12"	5'-6"	1'-0"	7'-6"	10	#4	6"	5'-5"	3'-9"	12'-11"	16	#4	3'-9"	4	#4	8"	2'-8"	3'-4"
JB-101	136+80.64	37.50' LT.	8"	8"	4'-0"	0.81'	10	#5	12"	4'-6"	1'-0"	6'-6"	4	#5	12"	4'-6"	3'-3"	11'-0"	13	#4	2'-7"	3	#4	8"	1'-4"	2'-0"
JB-102	134+06.78	50.00' RT.	8"	6"	4'-0"	0.64'	10	#5	12"	4'-6"	1'-0"	6'-6"	4	#5	12"	4'-6"	3'-3"	11'-0"	10	#4	2'-5"	6	#4	8"	1'-0"	1'-8"

NOTE: JB-4 WILL BE A STD 12' x 5' RCB WITH A 24" RCP IN THE WALL AT THE ELEVATION SHOWN IN THE PLANS AND WITH THE RISER STRUCTURE AS SHOWN ABOVE. FIELD CUT BARREL BARS 2" CLR. OF RISER OPENING.

BEFORE YOU DIG 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

RISER DETAILS AND NOTES

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 7-2025
DESIGNED
SURVEY
PROJ. MGR. 7/10 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED: HAS 7-25
DESIGN MANAGER

APPROVED:
CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S61 OF 268 SHEETS

6/13/2025 1:20:28 PM
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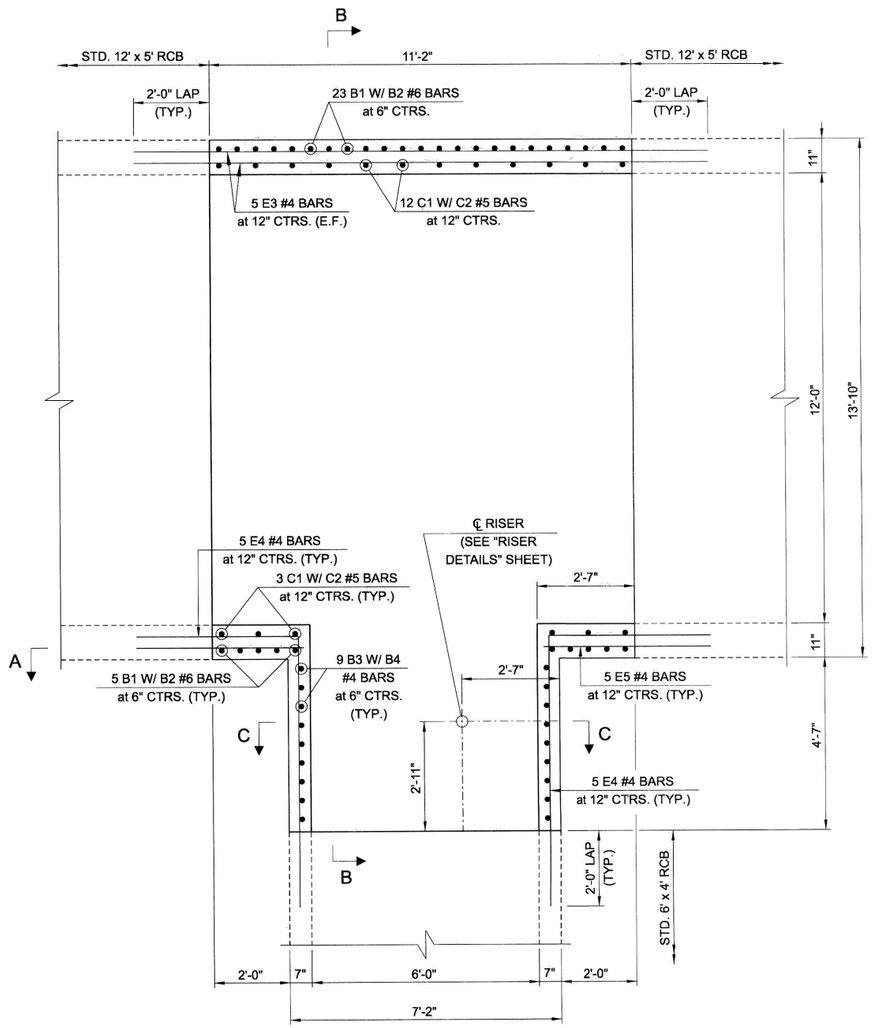
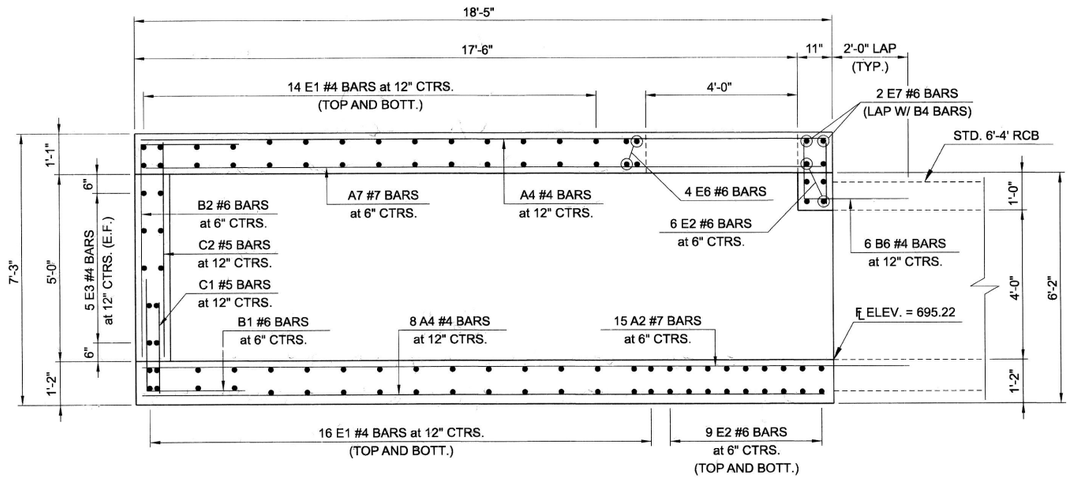
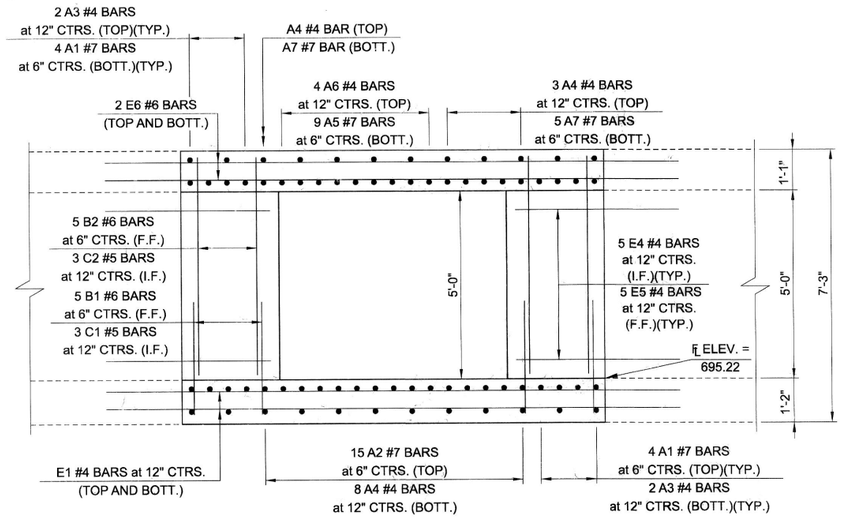


PLAN



SECTION B-B



SECTION A-A

BEFORE YOU DIG 811 CALL OKIE

LICENSED PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

JB-5 DETAILS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 6/25
DESIGNED
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/25
RECOMMENDED: 7-25
DESIGN MANAGER

APPROVED:
CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
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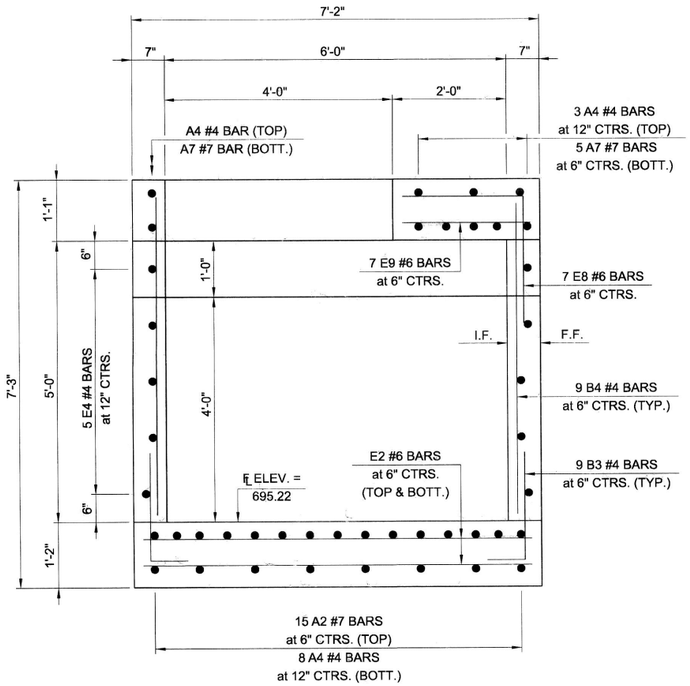

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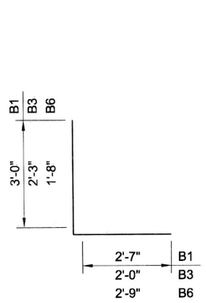
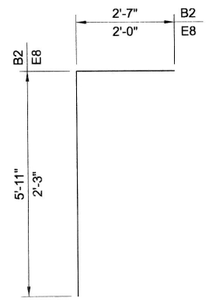
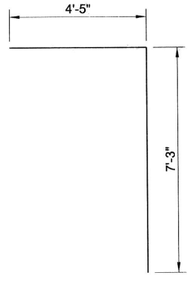


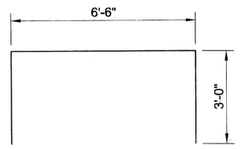
B1 #6 x 5'-7"
B3 #4 x 4'-3"
B6 #4 x 4'-5"



B2 #6 x 8'-6"
E8 #6 x 4'-3"



E4 #4 x 11'-8"



E7 #6 x 12'-6"

ALL BAR BENDS ARE OUT TO OUT

JB-5 BAR LIST

MARK	NO.	SIZE	FORM	SPACING	LENGTH
A1	16	#7	STR.	6"C/C	13'-6"
A2	15	#7	STR.	6"C/C	20'-3"
A3	8	#4	STR.	12" C/C	13'-6"
A4	12	#4	STR.	12" C/C	18'-1"
A5	9	#7	STR.	6"C/C	13'-2"
A6	4	#4	STR.	12"C/C	13'-2"
A7	6	#7	STR.	6"C/C	18'-1"
B1	33	#6	BENT	6"C/C	5'-7"
B2	33	#6	BENT	6"C/C	8'-6"
B3	18	#4	BENT	6"C/C	4'-3"
B4	18	#4	STR.	6"C/C	5'-11"
B5	6	#4	STR.	12"C/C	1'-9"
B6	6	#4	BENT	12"C/C	4'-5"
C1	18	#5	STR.	12"C/C	2'-3"
C2	18	#5	STR.	12"C/C	5'-11"
E1	60	#4	STR.	12"C/C	15'-2"
E2	24	#6	STR.	6"C/C	6'-10"
E3	10	#4	STR.	12"C/C	15'-2"
E4	10	#4	BENT	12"C/C	11'-8"
E5	10	#4	STR.	12"C/C	4'-5"
E6	4	#6	STR.	AS SHOWN	15'-2"
E7	2	#6	BENT	AS SHOWN	12'-6"
E8	7	#6	BENT	6"C/C	4'-3"
E9	7	#6	STR.	6"C/C	2'-3"

JB-5 QUANTITIES

ITEM	UNIT	TOTAL
CLASS AA CONCRETE	C.Y.	19.50
REINFORCING STEEL	LB.	4230.00

BEFORE YOU DIG CALL OKIE 811

LICENSED ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

JB-5 DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN POE 2025
DESIGNED
SURVEY
PROJ. MGR. 6/25
LEAD ENGR. 6/25
FIELD MGR. 6/26
RECOMMENDED: DESIGN MANAGER 7-25

APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
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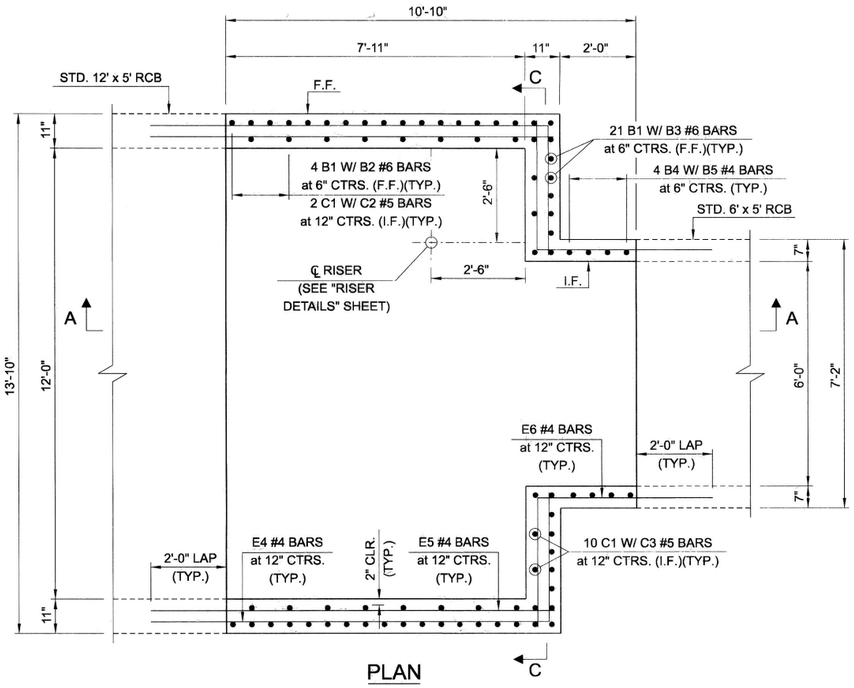

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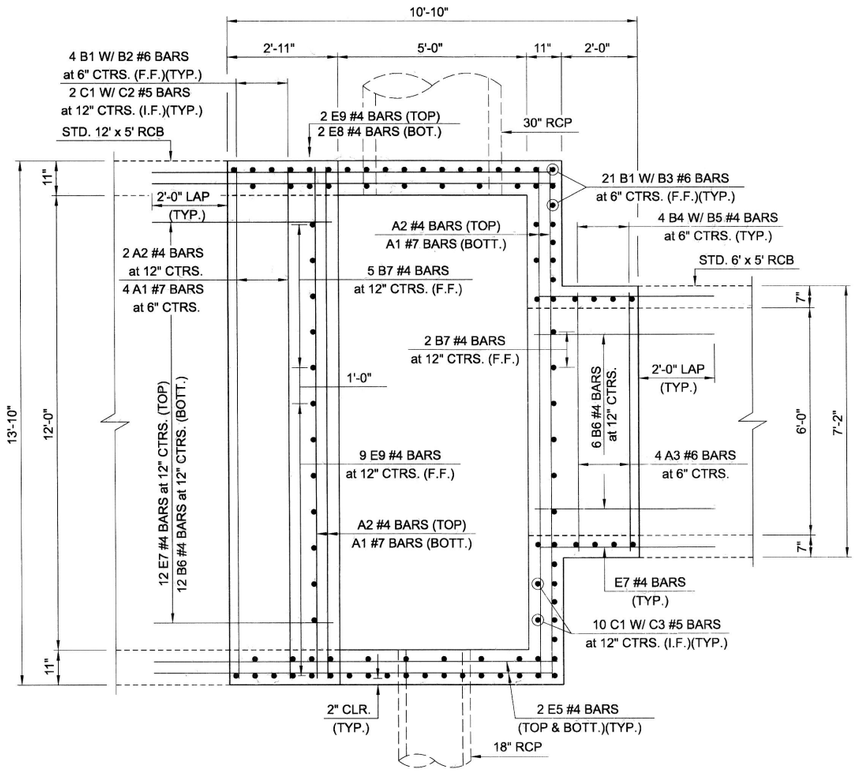
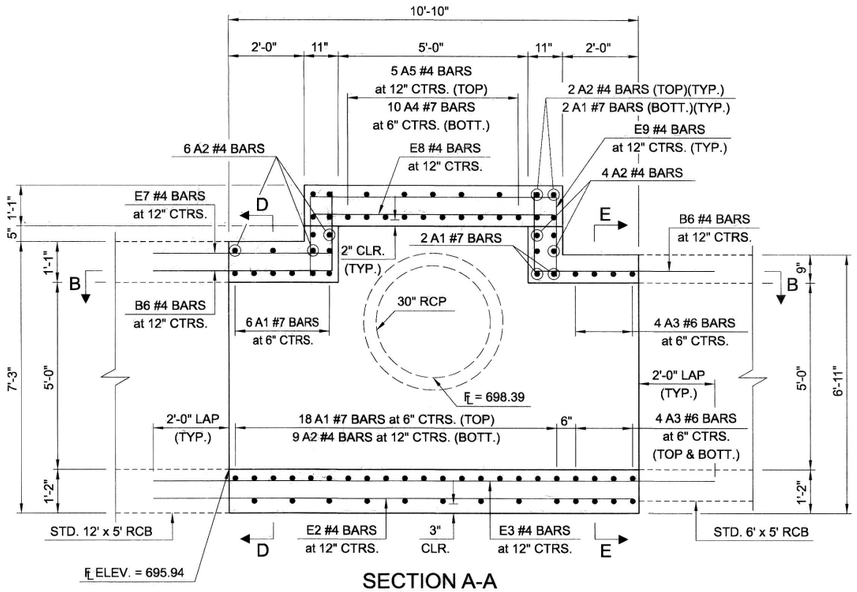
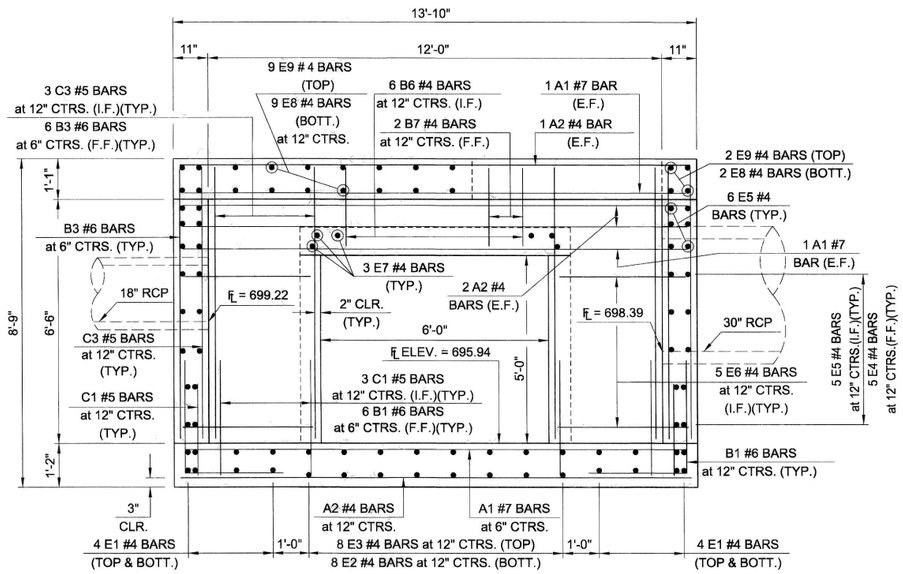


SECTION B-B



SECTION A-A



SECTION C-C

JB-6 DETAILS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE 2025	APPROVED:
	DESIGNED		
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	MO 6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.	SH 6/25	
	FIELD MGR.	JMA 6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER	HAS 7-7-25	CITY ENGINEER
FILE: H\21-1009	DRAWING:		DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75			SHEET S84 OF 268 SHEETS

BEFORE YOU DIG OKIE 811 CALL OKIE

SAMANTHA HENRICH 32024 LICENSED PROFESSIONAL ENGINEER OKLAHOMA

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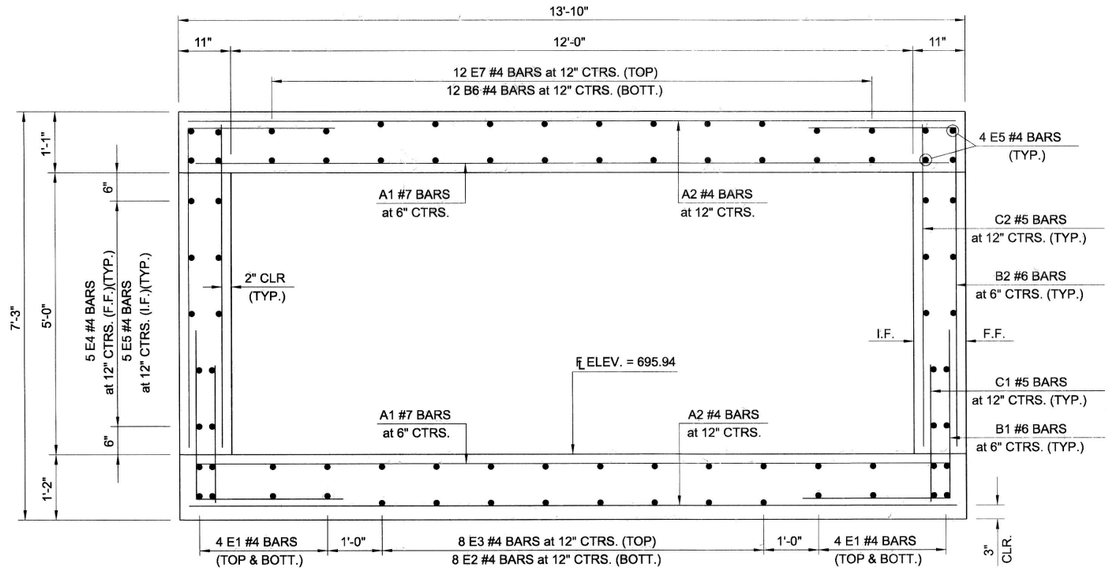

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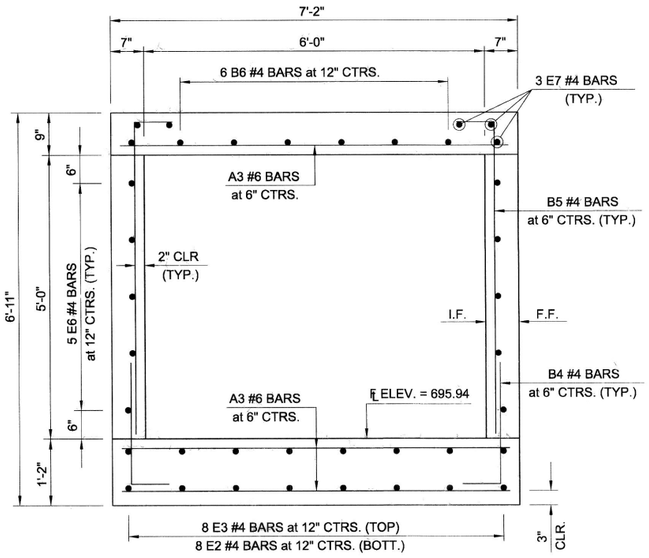

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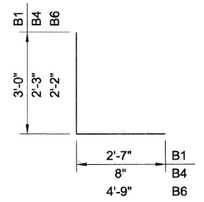
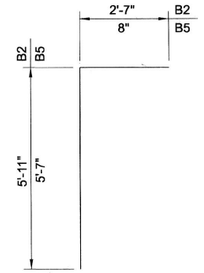
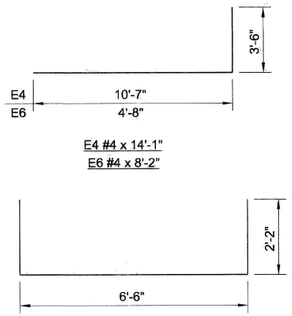


B1 #6 x 5'-7"
B4 #4 x 2'-11"
B6 #4 x 6'-11"



B2 #6 x 8'-6"
B5 #4 x 6'-3"



E4 #4 x 14'-1"
E6 #4 x 8'-2"

E9 #4 x 10'-10"

ALL BAR BENDS ARE OUT TO OUT

JB-6 BAR LIST

MARK	NO.	SIZE	FORM	SPACING	LENGTH
A1	30	#7	STR.	6"C/C	13'-6"
A2	23	#4	STR.	12"C/C	13'-6"
A3	12	#6	STR.	6"C/C	6'-10"
A4	10	#7	STR.	6"C/C	7'-7"
A5	5	#4	STR.	12"C/C	7'-7"
B1	50	#6	BENT	6"C/C	5'-7"
B2	8	#6	BENT	6"C/C	8'-6"
B3	42	#6	STR.	6"C/C	7'-5"
B4	8	#4	BENT	6"C/C	2'-11"
B5	8	#4	BENT	6"C/C	6'-3"
B6	18	#4	BENT	12"C/C	6'-11"
B7	7	#4	STR.	12"C/C	2'-2"
C1	24	#5	STR.	12"C/C	2'-3"
C2	4	#5	STR.	12"C/C	5'-11"
C3	20	#5	STR.	12"C/C	7'-5"
E1	16	#4	STR.	12"C/C	10'-8"
E2	8	#4	STR.	12"C/C	12'-8"
E3	8	#4	STR.	12"C/C	14'-10"
E4	10	#4	BENT	12"C/C	14'-1"
E5	22	#4	STR.	12"C/C	10'-8"
E6	10	#4	BENT	12"C/C	8'-2"
E7	18	#4	STR.	AS SHOWN	4'-9"
E8	11	#4	STR.	12"C/C	6'-6"
E9	11	#4	BENT	12"C/C	10'-10"

JB-6 QUANTITIES

ITEM	UNIT	TOTAL
CLASS AA CONCRETE	C.Y.	18.20
REINFORCING STEEL	LB.	3660.00

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

Samantha Henrich 7-3-25

JB-6 DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	7/2025
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED: DESIGN MANAGER	HAS 7-3-25	

APPROVED: CITY ENGINEER

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ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

DATE: 7/3/2025
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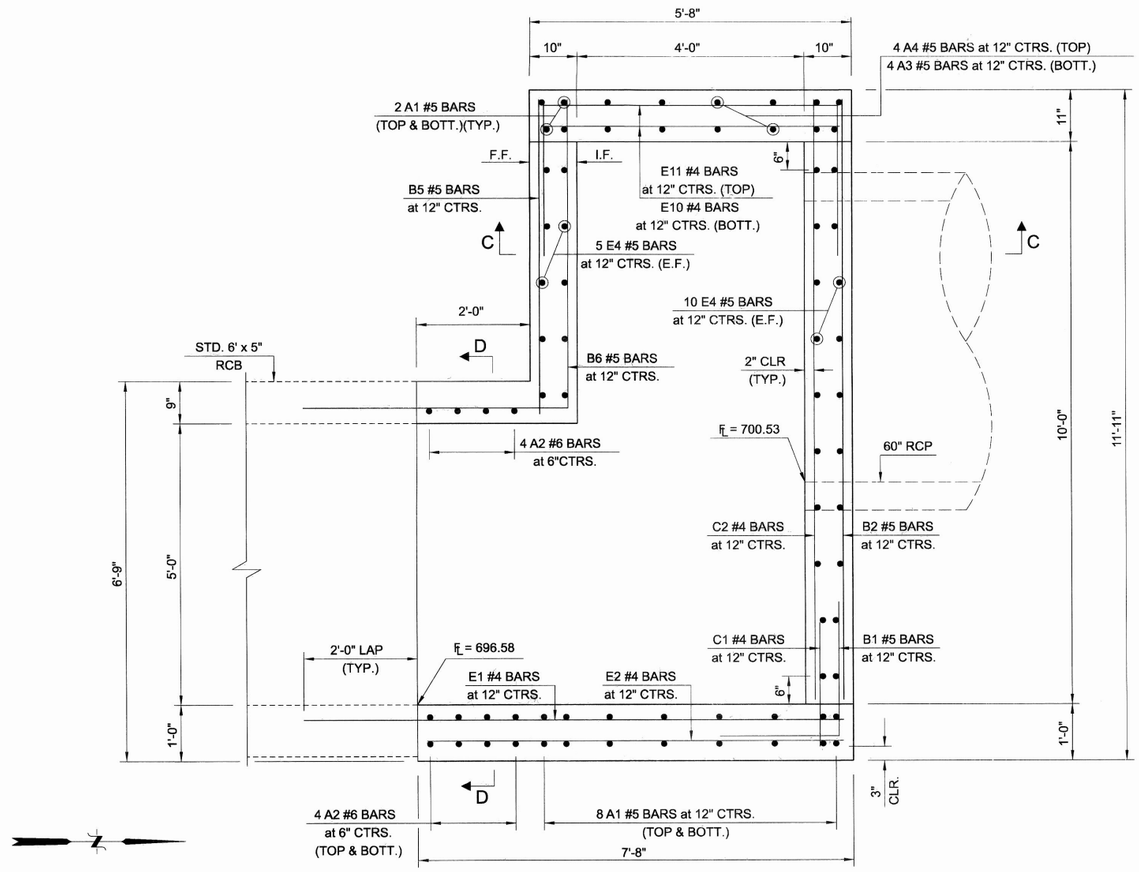

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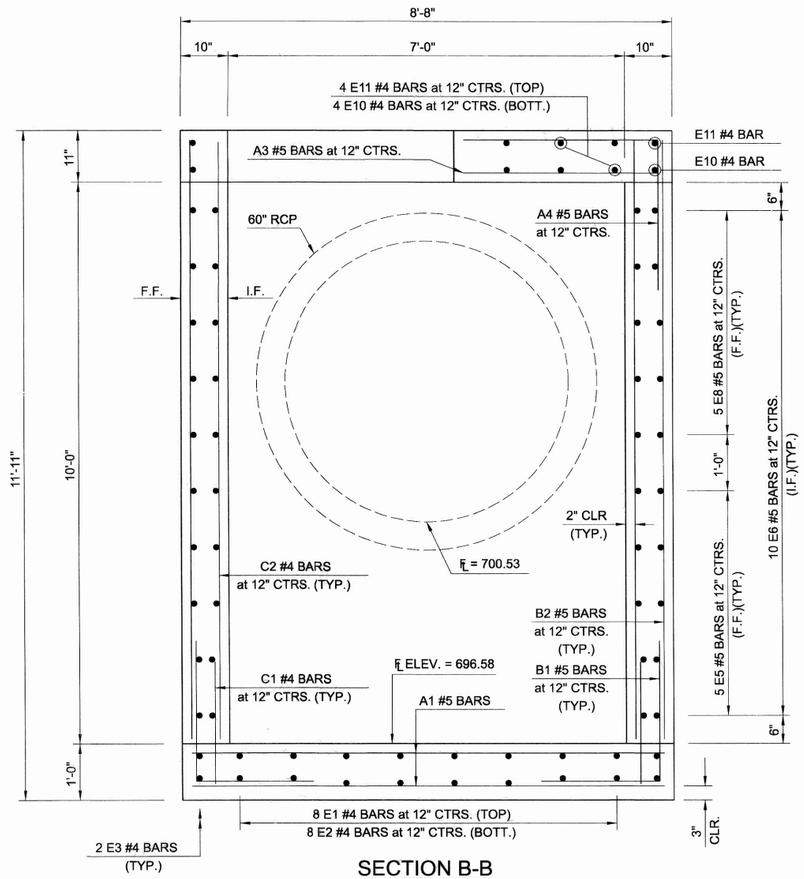
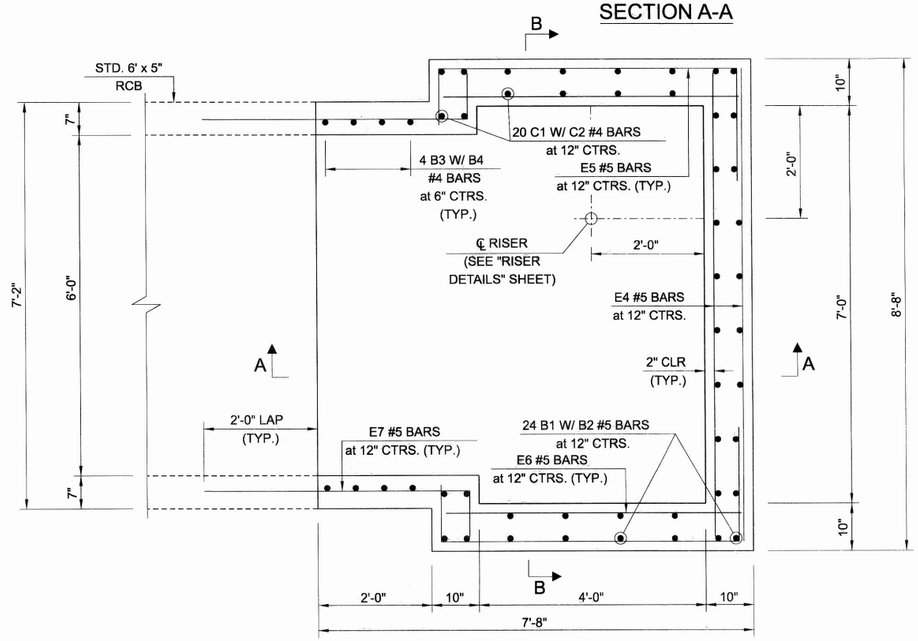


SECTION B-B



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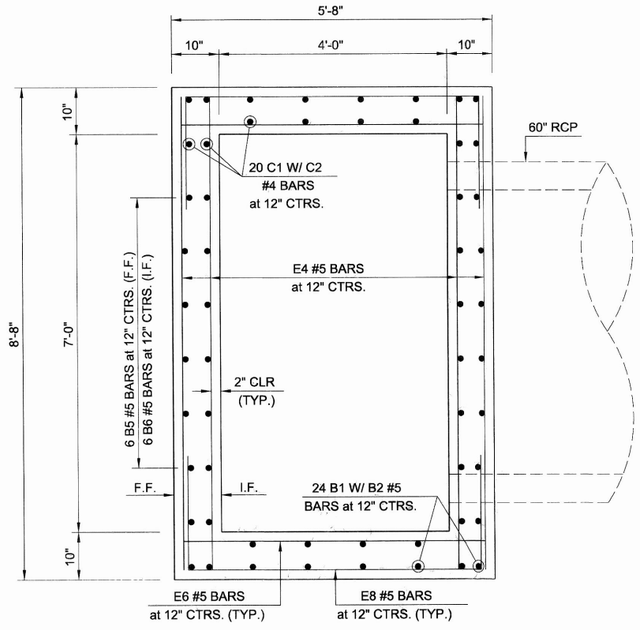

SECTION C-C

BEFORE YOU DIG
811
CALL OKIE

LICENSED PROFESSIONAL ENGINEER
SAMANTHA HEINRICH
32024
OKLAHOMA

JB-101 DETAILS (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN: POE 7-2025
DESIGNED:
SURVEY:
PROJ. MGR.: 6/25
LEAD ENGR.: GMS
FIELD MGR.: 6/25
RECOMMENDED: MMS 7-2-25
DESIGN MANAGER

APPROVED:
CITY ENGINEER

FILE: H:\21-1009 DRAWING:
DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
SHEET S66 OF 288 SHEETS

6/13/2025 1:17:50 PM
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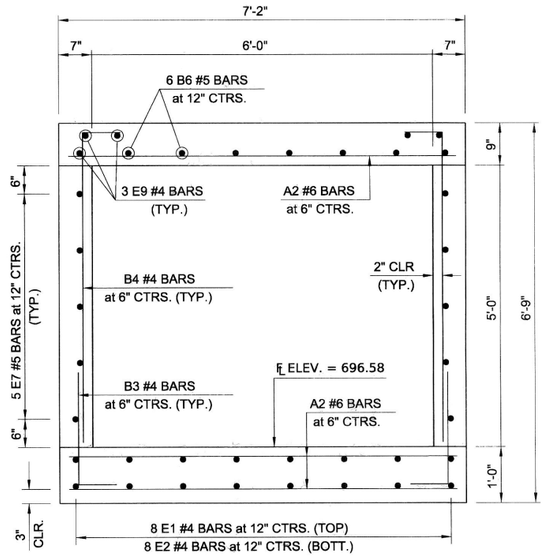

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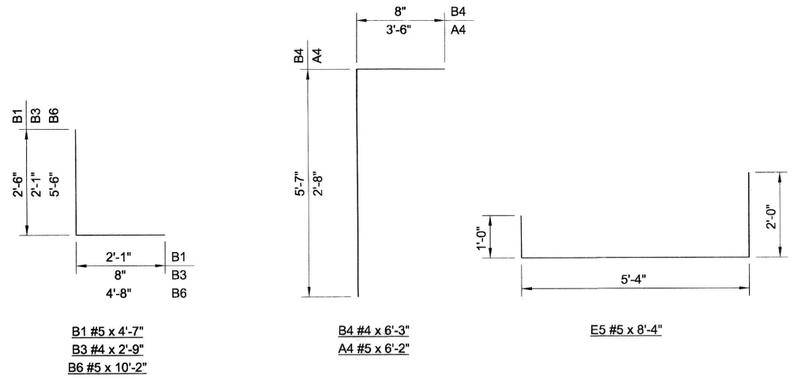

B1 #5 x 4'-7"
B3 #4 x 2'-9"
B6 #5 x 10'-2"

B4 #4 x 6'-3"
A4 #5 x 6'-2"

E5 #5 x 8'-4"

E7 #5 x 5'-7"

E8 #5 x 9'-4"
E11 #5 x 10'-8"

ALL BAR BENDS ARE OUT TO OUT

JB-101 BAR LIST

MARK	NO.	SIZE	FORM	SPACING	LENGTH
A1	24	#5	STR.	AS SHOWN	8'-4"
A2	12	#6	STR.	6"C/C	6'-10"
A3	4	#5	STR.	12"C/C	3'-6"
A4	4	#5	BENT	12"C/C	6'-2"
B1	24	#5	BENT	12"C/C	4'-7"
B2	24	#5	STR.	12"C/C	10'-9"
B3	8	#4	BENT	6"C/C	2'-9"
B4	8	#4	BENT	6"C/C	6'-3"
B5	6	#5	STR.	12"C/C	5'-6"
B6	6	#5	BENT	12"C/C	10'-2"
C1	20	#4	STR.	12"C/C	2'-1"
C2	20	#4	STR.	12"C/C	10'-9"
E1	8	#4	STR.	12"C/C	9'-6"
E2	8	#4	STR.	12"C/C	7'-4"
E3	4	#4	STR.	AS SHOWN	5'-4"
E4	30	#5	STR.	12"C/C	8'-4"
E5	10	#5	BENT	12"C/C	8'-4"
E6	20	#5	STR.	12"C/C	5'-4"
E7	10	#5	BENT	12"C/C	5'-7"
E8	10	#5	BENT	12"C/C	9'-4"
E9	6	#4	STR.	AS SHOWN	4'-8"
E10	5	#4	STR.	12"C/C	5'-4"
E11	5	#4	BENT	12"C/C	10'-8"

JB-101 QUANTITIES

ITEM	UNIT	TOTAL
CLASS AA CONCRETE	C.Y.	8.20
REINFORCING STEEL	LB.	2000.00

BEFORE YOU DIG OKIE 811 CALL OKIE

LICENSED ENGINEER SAMANTHA HEINRICH 32024 OKLAHOMA

JB-101 DETAILS (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	2025
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED: DESIGN MANAGER		7-25

APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING:

DATE: 7/3/2025

ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

SHEET S67 OF 288 SHEETS

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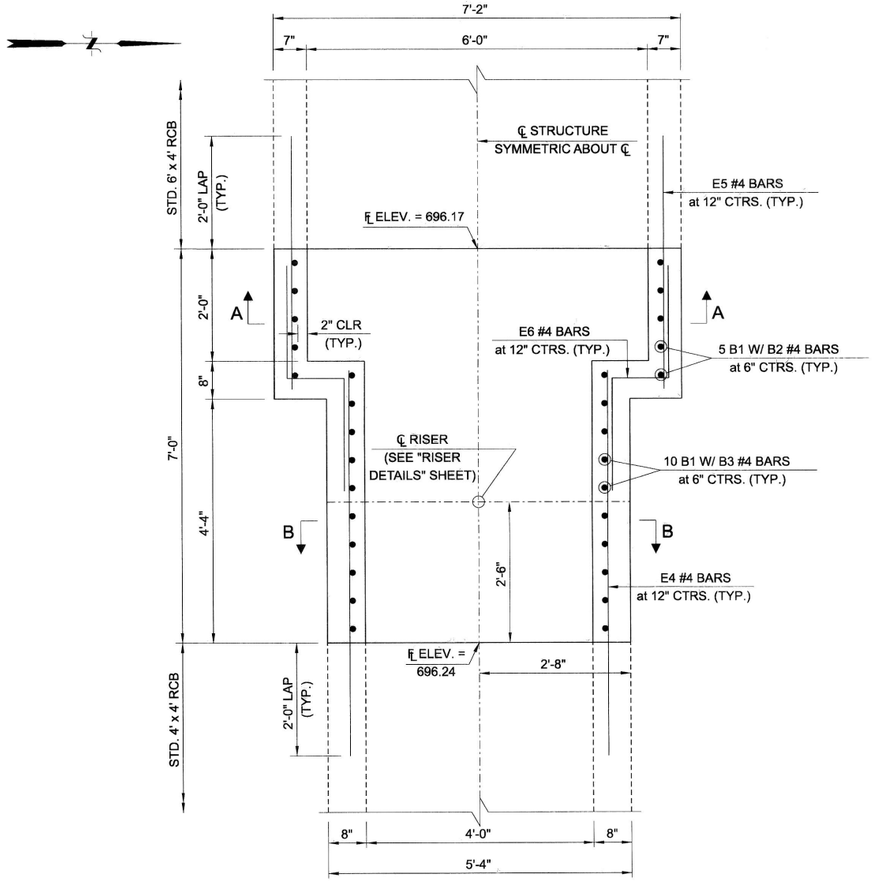

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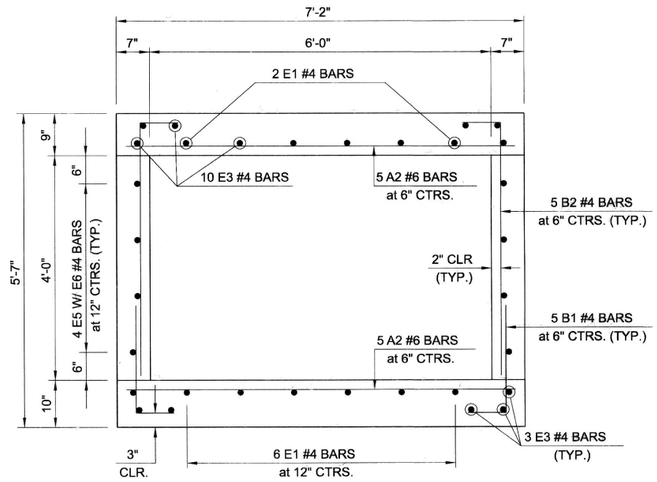
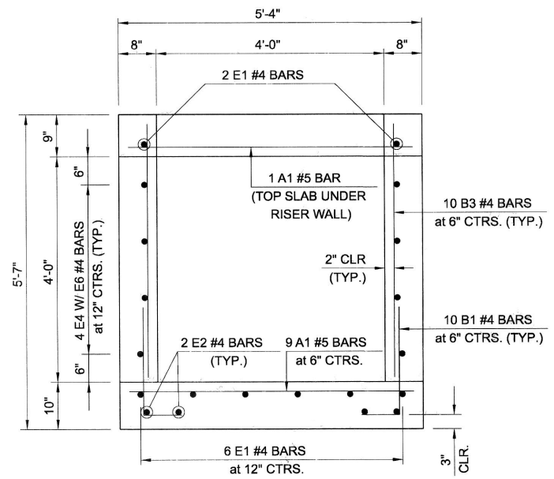
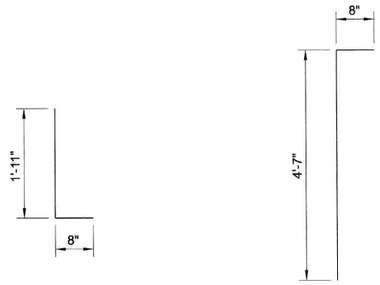


SECTION A-A

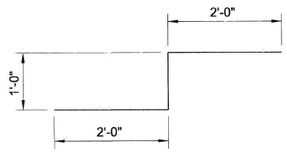


SECTION B-B



B1 #4 x 2'-7"

B2 #4 x 5'-3"



E6 #4 x 5'-0"

ALL BAR BENDS ARE OUT TO OUT

JB-102 BAR LIST

MARK	NO.	SIZE	FORM	SPACING	LENGTH
A1	10	#5	STR.	6"C/C	5'-0"
A2	10	#6	STR.	6"C/C	6'-10"
B1	30	#4	BENT	6"C/C	2'-7"
B2	10	#4	BENT	6"C/C	5'-3"
B3	20	#4	STR.	6"C/C	4'-7"
E1	8	#4	STR.	12"C/C	11'-0"
E2	4	#4	STR.	AS SHOWN	6'-10"
E3	16	#4	STR.	AS SHOWN	4'-6"
E4	8	#4	STR.	12"C/C	6'-10"
E5	8	#4	STR.	12"C/C	4'-6"
E6	8	#4	BENT	12"C/C	5'-0"

JB-102 QUANTITIES

ITEM	UNIT	TOTAL
CLASS AA CONCRETE	C.Y.	3.00
REINFORCING STEEL	LB.	650.00

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER
SAMANTHA HENRICH
32024
OKLAHOMA

JB-102 DETAILS

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	2025
DESIGNED		
SURVEY		
PROJ. MGR.	MB	6/25
LEAD ENGR.	SH	6/25
FIELD MGR.	JW	6/25
RECOMMENDED:	HAS	7-25
DESIGN MANAGER		

APPROVED:
CITY ENGINEER
DATE: 7/3/2025

FILE: H:\21-1009 DRAWING:
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75
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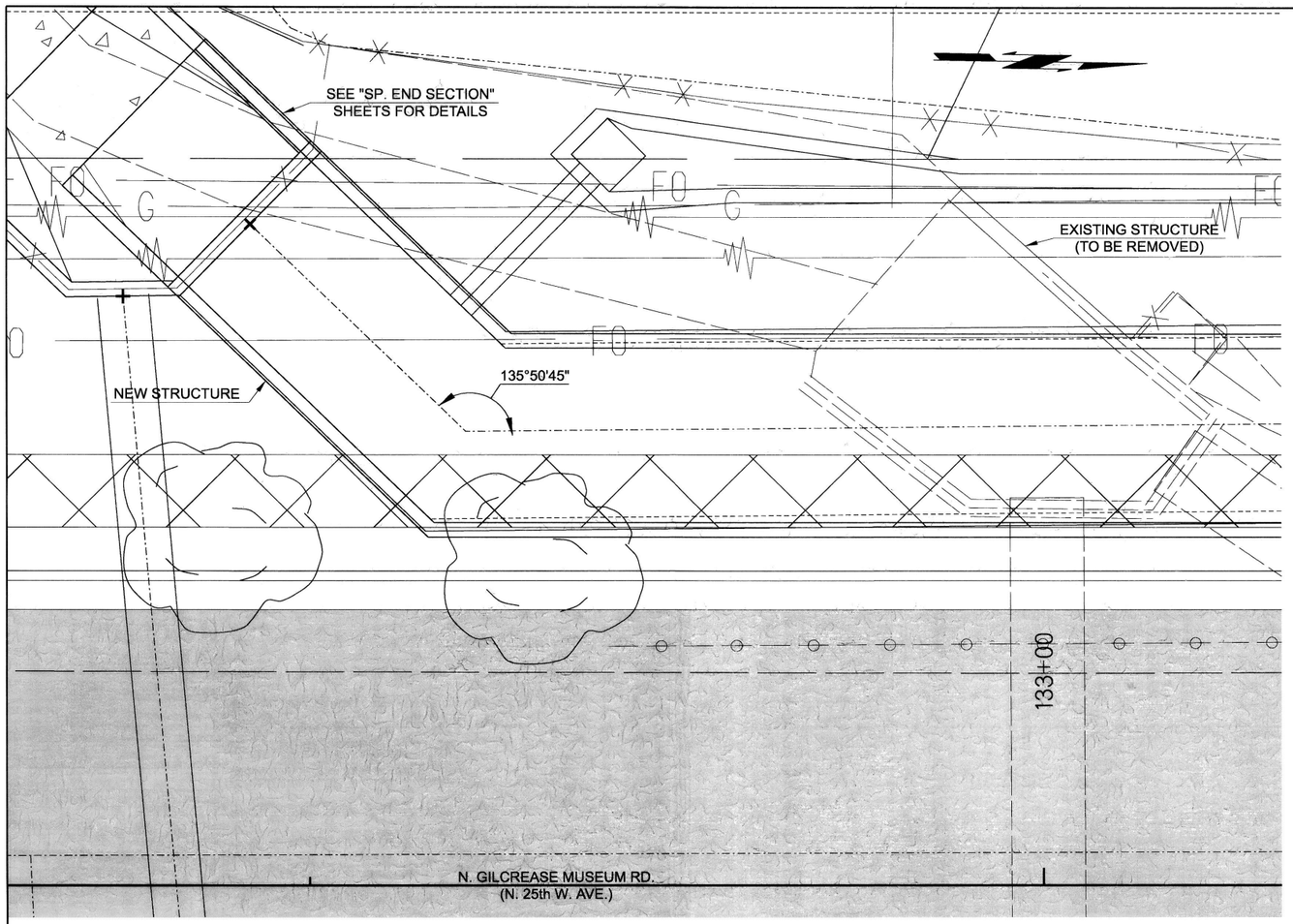

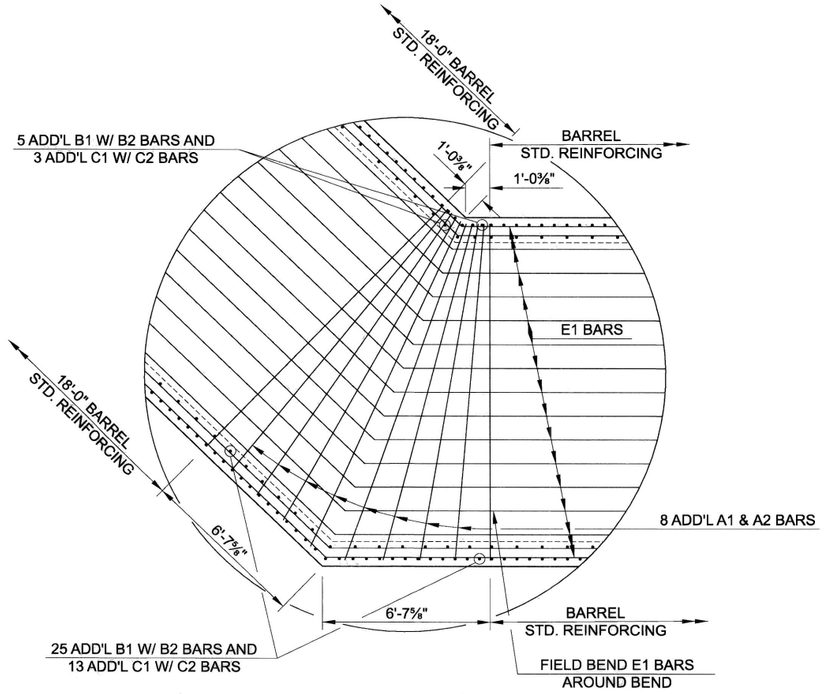

RCB BEND REINFORCING DETAIL

*ADJUST E1 & E2 BAR LENGTH TO ACCOUNT FOR ADD'L LENGTH REQUIRED AROUND BEND. LENGTH INCREASE WILL VARY BETWEEN 2'-2" AND 13'-1".

BEFORE YOU DIG
811
1-800-522-OKIE
CALL OKIE

LICENSED PROFESSIONAL ENGINEER
SAMANTHA HEINRICH
32024
OKLAHOMA

REVISION	BY	DATE

RCB BEND DETAIL SHEET

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A	DRAWN	POE	4/2023	APPROVED:
	DESIGNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER		7-25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009 RCB Bend Detail Sheet			DATE: 7/3/2025
ATLAS PAGE NO:				SHEET 569 OF 288 SHEETS

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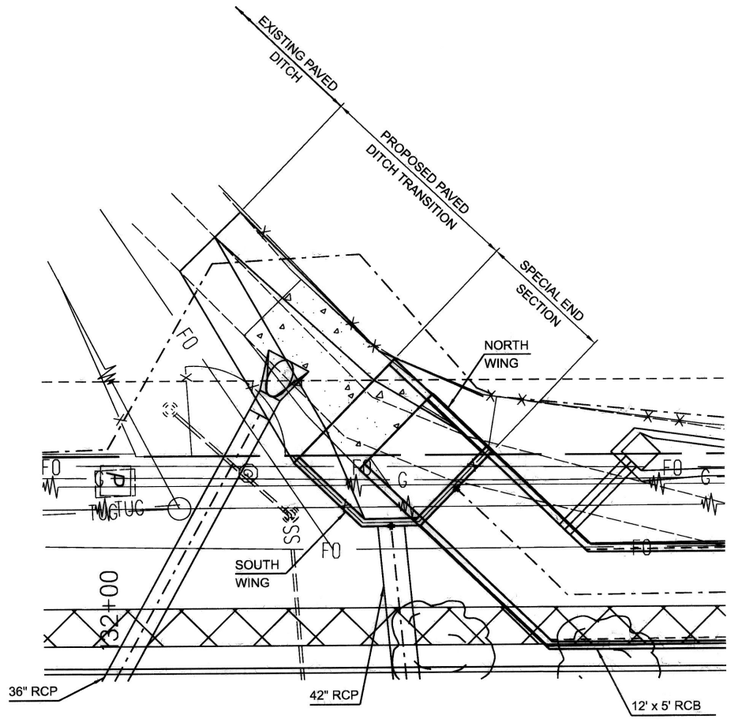
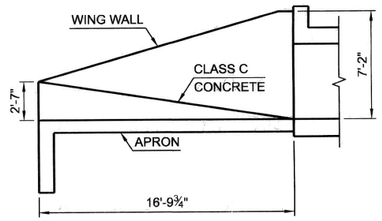
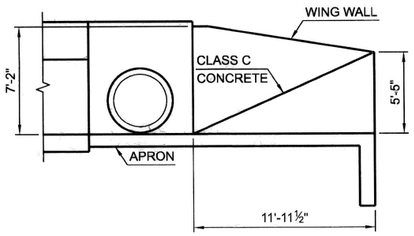
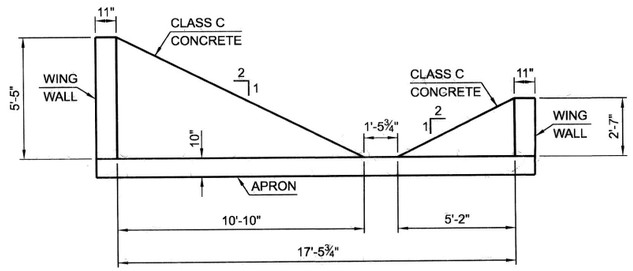




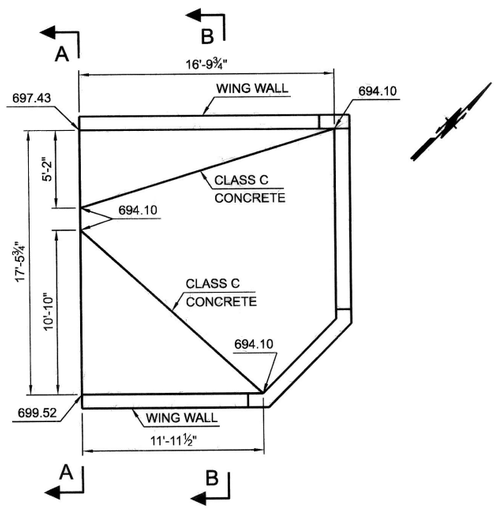
CLASS C CONCRETE
NORTH WING ELEVATION



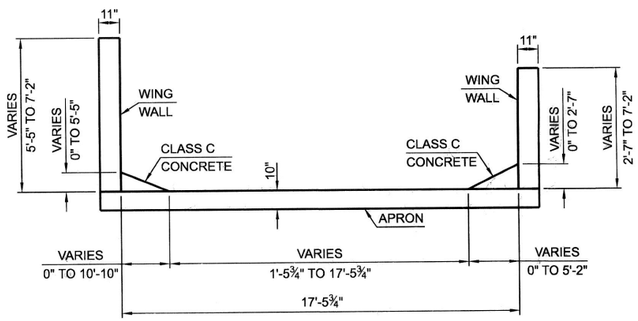
CLASS C CONCRETE
SOUTH WING ELEVATION



SECTION A-A



CLASS C CONCRETE PLAN



SECTION B-B

SPECIAL END SECTION QUANTITIES

ITEM	UNIT	TOTAL
CLASS AA CONCRETE	C.Y.	20.70
CLASS C CONCRETE	C.Y.	7.40
REINFORCING STEEL	LB.	2,840.00

DITCH TRANSITION QUANTITIES

ITEM	UNIT	TOTAL
CLASS C CONCRETE	C.Y.	4.60

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED TERRITORIAL ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

SPECIAL END SECTION (1)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	4/2023
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED		7-25
DESIGN MANAGER		

APPROVED:
CITY ENGINEER
DATE: 7/2/2025

FILE: H:\21-1009 DRAWING: 21-1009 RCB Bend Detail Sheet
ATLAS PAGE NO:
SHEET S70 OF 268 SHEETS

6/18/2025 10:23 PM
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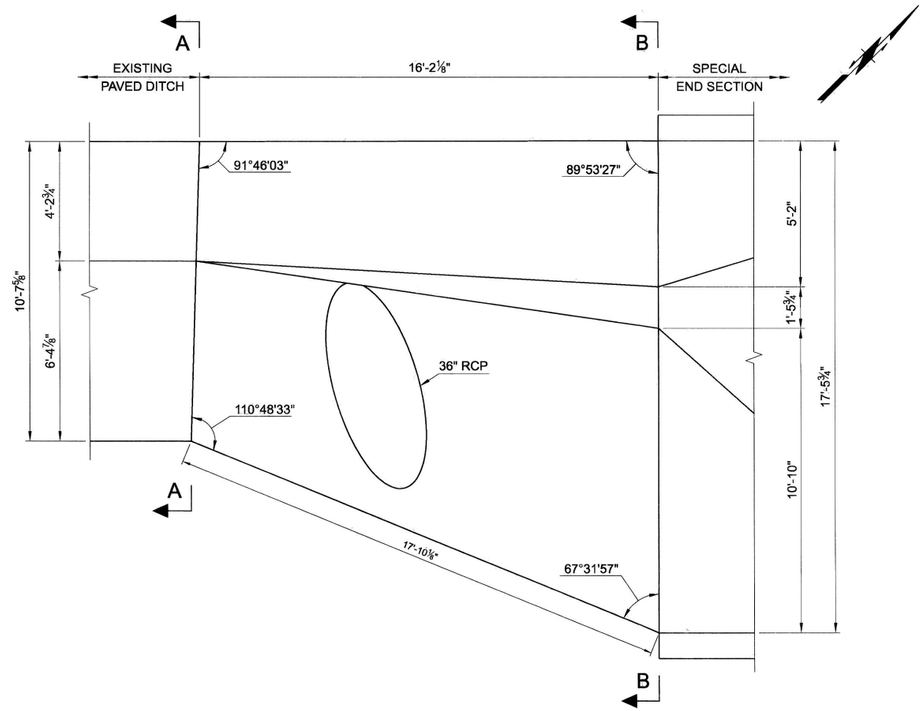
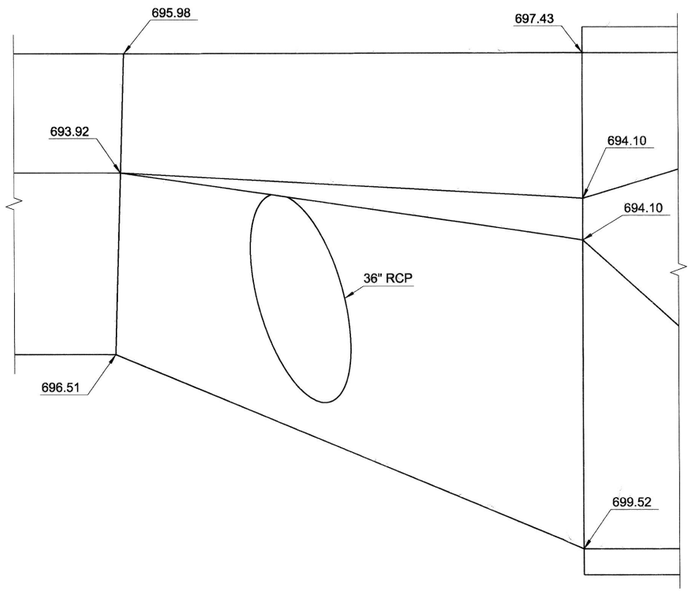
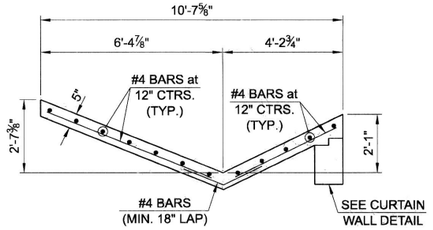


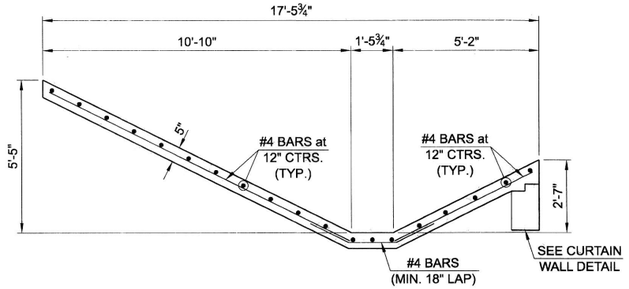
PAVED DITCH TRANSITION PLAN



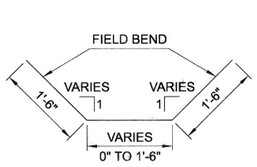
PAVED DITCH TRANSITION PLAN SPOT ELEVATIONS



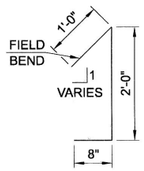
SECTION B-B



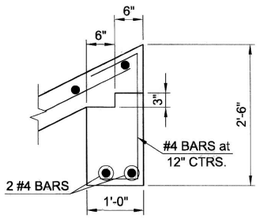
SECTION A-A



#4 BAR x VARIES



#4 BAR x 3'-8"



CURTAIN WALL DETAIL

SPECIAL END SECTION (2)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A
PROFILE SCALE:
HORIZONTAL: 1" = N/A
VERTICAL 1" = N/A

DRAWN	POE	4/2023
DESIGNED		
SURVEY		
PROJ. MGR.		6/25
LEAD ENGR.		6/25
FIELD MGR.		6/25
RECOMMENDED: DESIGN MANAGER		7-25

APPROVED: CITY ENGINEER

FILE: H:E21-1009 DRAWING: 21-1009 Sp End Section
DATE: 7/3/2025
ATLAS PAGE NO:
SHEET S71 OF 268 SHEETS

BEFORE YOU DIG 811 CALL OKIE

SAMANTHA HEINRICH 32024 LICENSED PROFESSIONAL ENGINEER OKLAHOMA

6/13/2025 2:16:49 PM
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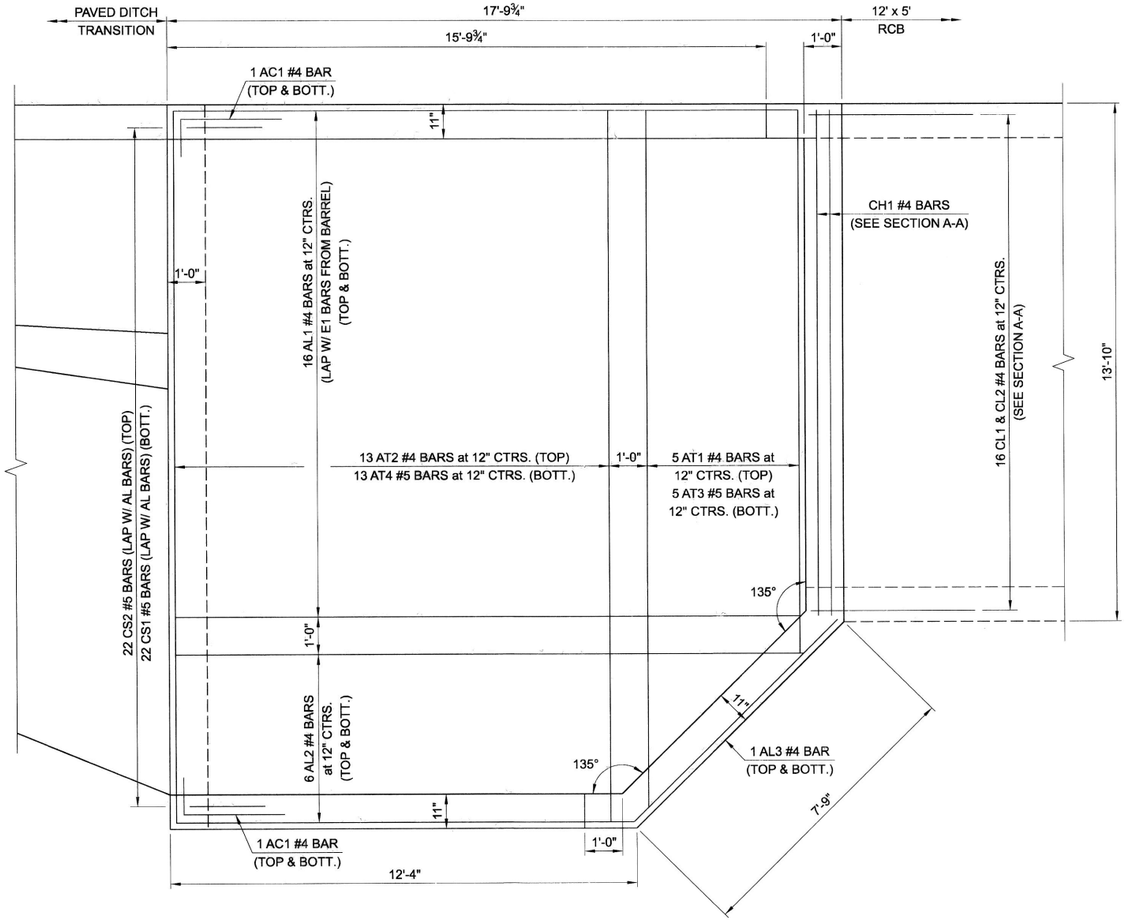
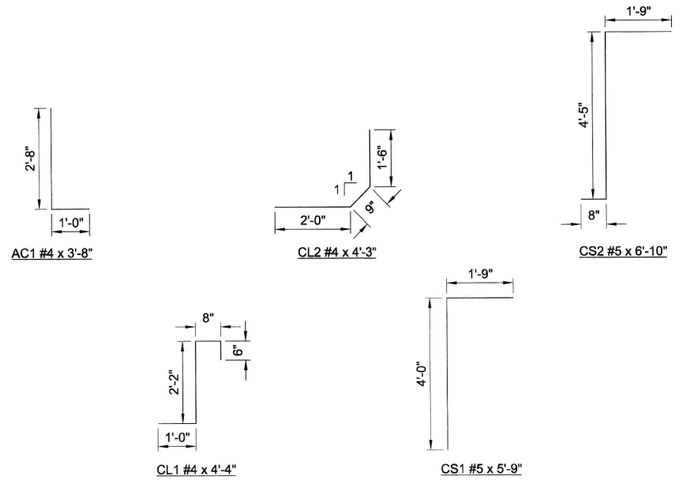


APRON REINFORCING LAYOUT



SPECIAL END SECTION BAR LIST

MARK	NO.	SIZE	FORM	SPACING	LENGTH	LENGTH VARIATION
AC1	4	#4	BENT	AS SHOWN	3'-8"	
AL1	32	#4	STR.	12" C/C	16'-5"	
AL2	12	#4	STR.	12"C/C	14'-4" AVG.	12'-1" TO 16'-7"
AL3	2	#4	STR.	AS SHOWN	7'-3"	
AT1	5	#4	STR.	12" C/C	16'-7" AVG.	14'-7" TO 18'-7"
AT2	13	#4	STR.	12" C/C	18'-11"	
AT3	5	#5	STR.	12" C/C	16'-7" AVG.	14'-7" TO 18'-7"
AT4	13	#5	STR.	12" C/C	18'-11"	
CH1	4	#4	STR.	AS SHOWN	13'-6"	
CL1	16	#4	BENT	12" C/C	4'-4"	
CL2	16	#4	BENT	12" C/C	4'-3"	
CS1	22	#5	BENT	12" C/C	5'-9"	
CS2	22	#5	BENT	12" C/C	6'-10"	
CT1	8	#4	STR.	12" C/C	18'-11"	
WD1	6	#5	STR.	12" C/C	5'-0"	
WD2	12	#5	BENT	12" C/C	5'-0"	
WH1	6	#4	STR.	12" C/C	16'-5"	
WH2	8	#4	STR.	12" C/C	8'-10 AVG.	3'-8" TO 14'-0"
WH3	2	#5	STR.	AS SHOWN	16'-3"	
WH4	16	#4	STR.	12" C/C	6'-11"	
WH5	12	#4	STR.	12" C/C	11'-9"	
WH6	2	#4	STR.	12" C/C	7'-1"	
WH7	2	#5	STR.	AS SHOWN	11'-0"	
WL1	55	#5	BENT	6" C/C	7'-7"	
WL2	10	#5	BENT	12" C/C	4'-10"	
WT1	40	#4	STR.	AS SHOWN	2'-10"	
WT2	2	#4	STR.	6" C/C	7'-0"	
WT3	16	#4	STR.	12" C/C	4'-7" AVG.	2'-5" TO 6'-4"
WT4	9					
WT5	11	#4	STR.	12" C/C	6'-3" AVG.	5'-3" TO 7'-3"
WV1	2	#5	STR.	6" C/C	7'-0"	
WV2	16	#5	STR.	12" C/C	4'-7" AVG.	2'-5" TO 6'-9"
WV3	10					
WV4	11	#5	STR.	12" C/C	6'-3" AVG.	5'-3" TO 7'-3"

BEFORE YOU DIG CALL OKIE 811

OKLAHOMA LICENSED PROFESSIONAL ENGINEER SAMANTHA HEINRICH 32024

REVISION	BY	DATE

SPECIAL END SECTION (3)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = N/A	DRAWN	POE	4/2023	APPROVED:
	DESIGNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER		7-25	CITY ENGINEER

FILE: H:£21-1009 DRAWING: 21-1009 Sp End Section — DATE: 7/3/2025
ATLAS PAGE NO: — SHEET S72 OF 268 SHEETS

6/13/2025 2:15:25 PM
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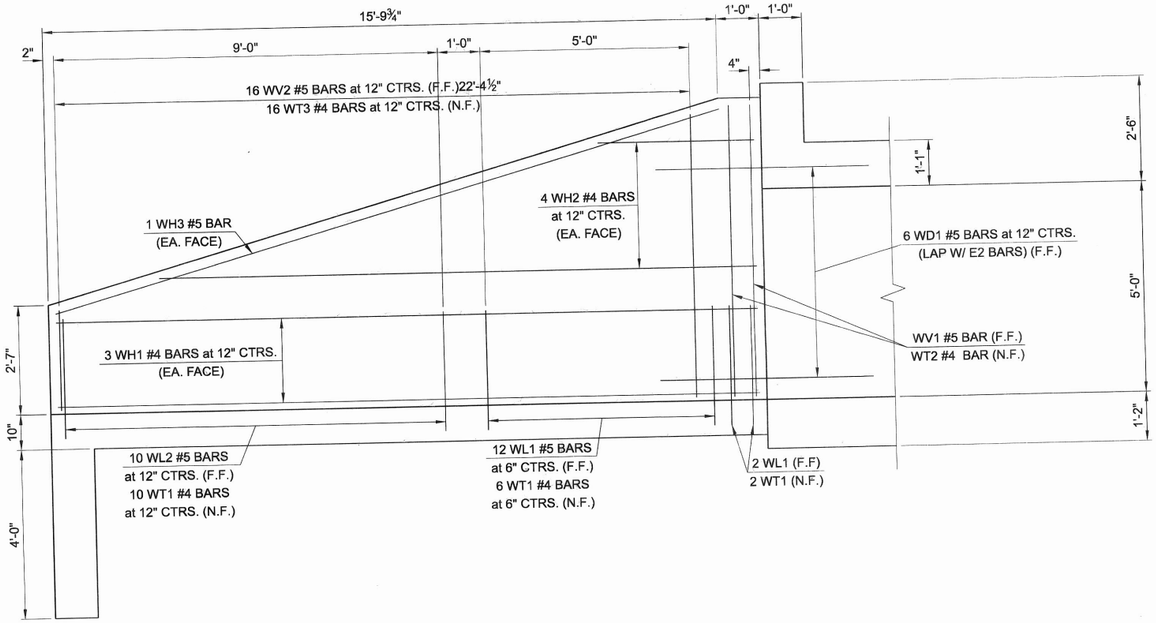
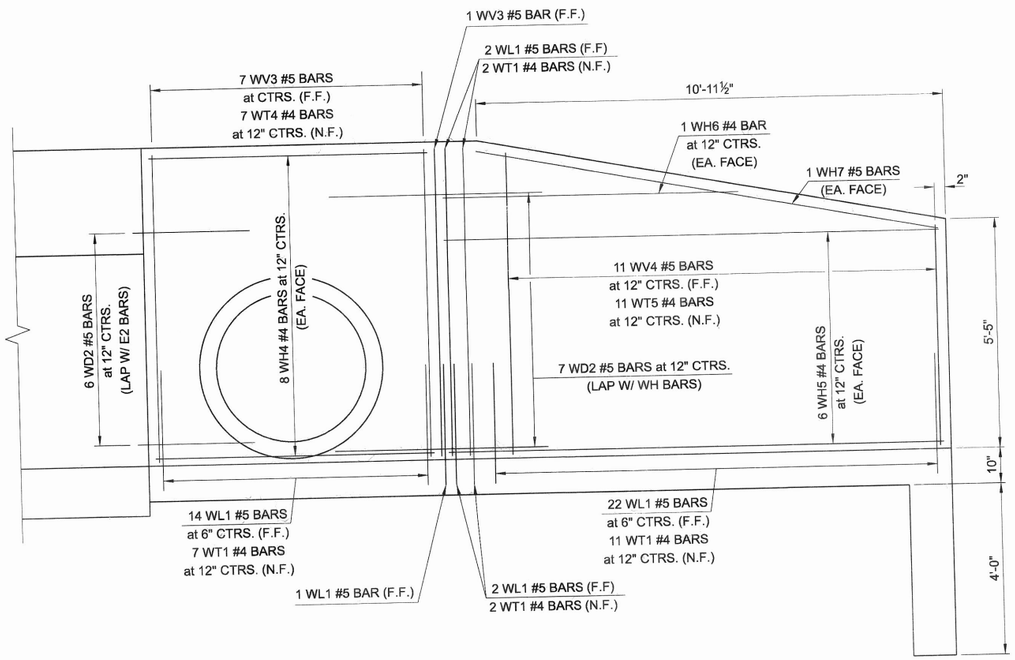
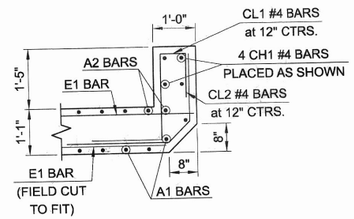
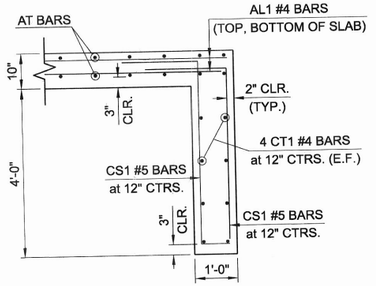


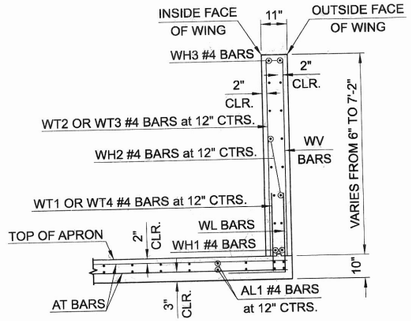




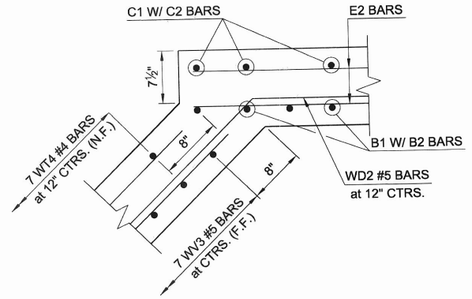
SECTION A-A



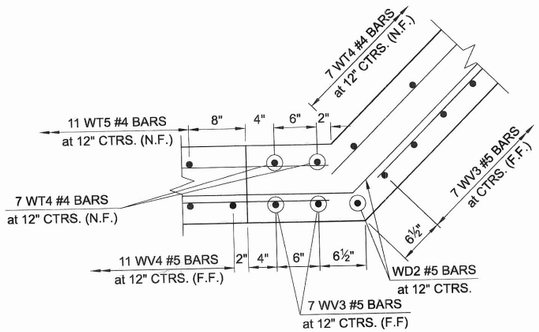
SECTION B-B



SECTION C-C



DETAIL A



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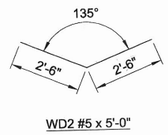
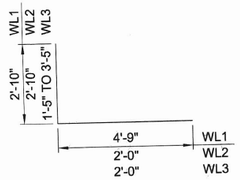


WD2 #5 x 5'-0"



WL1 #5 x 7'-7"
WL2 #5 x 4'-10"
WL3 #5 x 4'-5" AVG.

SPECIAL END SECTION (4)

ARTERIAL STREET REHABILITATION
GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = N/A	DRAWN	POE	4/2023	APPROVED:
	DESIGNED			
	SURVEY			
PROFILE SCALE:	PROJ. MGR.		6/25	
HORIZONTAL: 1" = N/A	LEAD ENGR.		6/25	
	FIELD MGR.		6/25	
VERTICAL 1" = N/A	RECOMMENDED: DESIGN MANAGER		7/25	CITY ENGINEER
FILE: H:\21-1009	DRAWING: 21-1009 Sp End Section			DATE: 7/3/2025
ATLAS PAGE NO:				SHEET S73 OF 268 SHEETS

BEFORE YOU DIG 811 OKIE CALL OKIE

LICENSED ENGINEER SAMANTHA HENRICH 32024 OKLAHOMA

7/3/2025 2:17:21 PM
H:\21-1009 25th Widening\Plan Sheets\BridgeShts\21-1009 Sp End Section.dgn

MATCH LINE STA. 146+20.00

MATCH LINE STA. 152+50.00

MARK S. & ANGELA M. SWIFT, TRUSTEES OF THE MARK S. SWIFT LIVING TRUST

CITY OF TULSA

CAUTION!! STORM SEWER IN VICINITY!

LOCATION OF RETAINING WALL

(2) CR

(2) CR

(4) CR

(3) QRB

BERMUDA SOD (TYP.)

CAUTION!! STORM SEWER IN VICINITY!

(5) CR

LIGHT POLE LOCATION (BY OTHERS)(TYP.)

147+00

148+00

149+00

150+00

151+00

152+00

N. GILCREASE MUSEUM RD.

LIGHT POLE LOCATION (BY OTHERS)(TYP.)

(3) PC

BERMUDA SOD (TYP.)

(3) CR

(3) CR

(2) PC

13'

10'

BERMUDA SOD (TYP.)

CAUTION!! TELECOMM. LINES IN VICINITY

GILCREASE HILLS HOMEOWNER'S ASSOC.

LIMITS OF DISTURBANCE (TYP.)

50.0'

EX. 8" WATER LINE

EX. TREE TO REMAIN (TYP.)

W. INDEPENDENCE PL.

LANDSCAPE LEGEND

KEY	SYM.	COMMON NAME	BOTANICAL NAME
MEDIUM TREES			
	PC	CHINESE PISTACHE	Pistacia chinensis
SMALL TREES			
	QRB	REGAL PRINCE® OAK	Quercus robur x bicolor 'Long'
	CR	OKLAHOMA REDBUD	Cercis canadensis var. texensis 'Oklahoma'
GROUND COVERS			
		U3 BERMUDA SOD	

1"=20'

0 10 20 40

NOTE: SOD ALL AREAS DISTURBED BY CONSTRUCTION.

PLANTING PLAN (1)

ARTERIAL STREET REHABILITATION GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS.TMUA-W 22-37, 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
PDF & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	PGW	5/2025	APPROVED:
	DESIGNED	PGW	5/2025	
	SURVEY	MW	3/2022	
PROFILE SCALE: N/A	PROJ. MGR.			
	LEAD ENGR.		6/25	
HORIZONTAL: N/A	FIELD MGR.		6/25	
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER		7-25	CITY ENGINEER

FILE: H:£21-1009 DRAWNG: DATE: 7/3/2025

ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75 SHEET L1 OF 288 SHEETS

STATE OF OKLAHOMA JULIE GRAEF LA 382 6/17/25 LICENSED LANDSCAPE ARCHITECT

I:\1711 On Call LA Services Co\1713 Gilcrease Museum Wall\Final\Gilcrease Museum Rd - PLANTING (6-16-25).dwg, L1, 6/17/2025 9:14:45 AM

MATCH LINE STA. 152+50.00

MARK S. & ANGELA M. SWIFT, TRUSTEES OF THE MARK S. SWIFT LIVING TRUST

MARK S. & ANGELA M. SWIFT, REVOCABLE TRUST DATED SEPT. 29, 2020

SID CONWAY

CAUTION!! STORM SEWER IN VICINITY!

CAUTION!! STORM SEWER IN VICINITY!

(2) CR

(4) QRB

(2) PC

(5) CR

LOCATION OF RETAINING WALL

(2) QRB

(3) PC

BERMUDA SOD (TYP.)

153+00

154+00

155+00

156+00

157+00

158+00

PI: STA. 153+62.91

PI: STA. 158+02.98

LIGHT POLE LOCATION (BY OTHERS)(TYP.)

(4) PC

(3) PC

N. GILCREASE MUSEUM RD.

(3) CR

(4) CR

BERMUDA SOD (TYP.)

CITY OF TULSA

LIMITS OF DISTURBANCE (TYP.)

MATCH LINE STA. 158+73.69

LANDSCAPE LEGEND

KEY	SYM.	COMMON NAME	BOTANICAL NAME
MEDIUM TREES			
	PC	CHINESE PISTACHE	Pistacia chinensis
SMALL TREES			
	QRB	REGAL PRINCE® OAK	Quercus robur x bicolor 'Long'
	CR	OKLAHOMA REDBUD	Cercis canadensis var. texensis 'Oklahoma'
GROUND COVERS			
		U3 BERMUDA SOD	

1"=20'

0 10 20 40

NOTE: SOD ALL AREAS DISTURBED BY CONSTRUCTION.

PLANTING PLAN (2)

ARTERIAL STREET REHABILITATION GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS.TMUA-W 22-37, 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	PGW	5/2025
	DESIGNED	PGW	5/2025
	SURVEY	MW	3/2022
PROFILE SCALE: N/A	PROJ. MGR.		
	LEAD ENGR.		6/25
HORIZONTAL: N/A	FIELD MGR.		6/25
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER		7-25

APPROVED: CITY ENGINEER

FILE: H:£21-1009 DRAWING:

DATE: 7/3/2025

ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75

SHEET L2 OF 268 SHEETS

STATE OF OKLAHOMA JULIE GRAFF LA 382 LICENSED LANDSCAPE ARCHITECT 6/17/25

I:\711 On Call LA Services Co\11713 Gilcrease Museum Wall\Final\Gilcrease Museum Rd - PLANTING (6-18-25).dwg, L2, 6/17/2025 9:20:41 AM

MATCH LINE STA. 158+73.69

MATCH LINE STA. 164+98.00

PATRICIA MANDRELL

CAUTION!! STORM SEWER IN VICINITY!

PAVED STORM DITCH

BERMUDA SOD (TYP.)

(5) PC

(6) QRB

(4) PC

(3) PC

(3) CR

(2) CR

(4) CR

(5) PC

LIGHT POLE LOCATION (BY OTHERS)(TYP.)

N. GILCREASE MUSEUM RD.

159+00 160+00 161+00 162+00 163+00 164+00 165+00

SMS SMS SWS SWS

OHE

LIMITS OF DISTURBANCE (TYP.)

PROP. AEP EASEMENT

GILCREASE HILLS VILLAGE I

4

LANDSCAPE LEGEND

KEY	SYM.	COMMON NAME	BOTANICAL NAME
MEDIUM TREES			
	PC	CHINESE PISTACHE	Pistacia chinensis
SMALL TREES			
	QRB	REGAL PRINCE® OAK	Quercus robur x bicolor 'Long'
	CR	OKLAHOMA REDBUD	Cercis canadensis var. texensis 'Oklahoma'
GROUND COVERS			
		U3 BERMUDA SOD	

1"=20'

0 10 20 40

NOTE: SOD ALL AREAS DISTURBED BY CONSTRUCTION.

PLANTING PLAN (3)

ARTERIAL STREET REHABILITATION GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS. TMUA-W 22-37, 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

STATE OF OKLAHOMA JULIE GRAFF LA 3827 6/17/25 LICENSED LANDSCAPE ARCHITECT

PLAN SCALE: 1" = 20'	DRAWN	PGW	5/2025	APPROVED:
	DESIGNED	PGW	5/2025	
	SURVEY	MW	3/2022	
PROFILE SCALE: N/A	PROJ. MGR.			
	LEAD ENGR.		6/25	
HORIZONTAL: N/A	FIELD MGR.		6/25	
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER		7.25	CITY ENGINEER
FILE: H:£21-1009 DRAWING:				DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET L3 OF 288 SHEETS

T:\711 On Call LA Services\CoT\713 Gilcrease Museum Wall\Final\Gilcrease Museum Rd - PLANTING (6-16-25).dwg, L3, 6/17/2025 9:23:05 AM

MATCH LINE STA. 164+98.00

MATCH LINE STA. 171+22.42

CAUTION!! STORM SEWER IN VICINITY!

CAUTION!! GAS LINE IN VICINITY

AARON M. & ALEXANDRIA N. TEMPLE, TRUSTEES OF THE TEMPLE FAMILY TRUST, DATED AUG. 31, 2017

BERMUDA SOD (TYP.)

PAVED STORM DITCH

LIGHT POLE LOCATION (BY OTHERS)(TYP.)

166+00

167+00

168+00

169+00

170+00

171+00

PI: STA. 168+02.98

EXISTING 6" WATER LINE

(2) CR

(5) CR

(3) CR

(2) PC

(5) PC

(3) PC

CITY OF TULSA

PAVED STORM DITCH

3/4" OZARKA STONE MULCH REF. DETAIL B/LS07

LIMITS OF DISTURBANCE (TYP.)

N. GILCREASE MUSEUM RD.

EX. 10" WATER LINE

RETAINING WALL (TYP.)

BERMUDA SOD (TYP.)

CAUTION!! STORM SEWER IN VICINITY!

CAUTION!! GAS LINE IN VICINITY

CAUTION!! UNDERGROUND ELECTRIC LINE(S) IN VICINITY

CAUTION!! GAS LINE IN VICINITY

CAUTION!! WATER LINE IN VICINITY!

22

21

GILCREASE HILLS VILLAGE I
BLKS. 1,2, & 3

W. NEWTON ST.

EX. 12" WATER LINE

OHE OHE OHE OHE OHE OHE

1"=20'

0 10 20 40

20

LANDSCAPE LEGEND

KEY	SYM.	COMMON NAME	BOTANICAL NAME
MEDIUM TREES			
	PC	CHINESE PISTACHE	Pistacia chinensis
SMALL TREES			
	QRB	REGAL PRINCE® OAK	Quercus robur x bicolor 'Long'
	CR	OKLAHOMA REDBUD	Cercis canadensis var. texensis 'Oklahoma'
GROUND COVERS			
		U3 BERMUDA SOD	
		3/4" OZARKA STONE MULCH	

NOTE: SOD ALL AREAS DISTURBED BY CONSTRUCTION.

STATE OF OKLAHOMA
JULIE GRAFF
LA 382
6/17/25
LICENSED LANDSCAPE ARCHITECT

PLANTING PLAN (4)

ARTERIAL STREET REHABILITATION GILCREASE MUSEUM RD/S. 25th W. AVE. WIDENING
PROJECT NOS. 144105, 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	PGW	5/2025	APPROVED:
	DESIGNED	PGW	5/2025	
	SURVEY	MW	3/2022	
PROFILE SCALE: N/A	PROJ. MGR.			
	LEAD ENGR.		6/25	
HORIZONTAL: N/A	FIELD MGR.		6/25	
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER	HAS	7.25	CITY ENGINEER
FILE: H:£21-1009 DRAWING:				DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET L4 OF 267 SHEETS

F:\1711 On Call LA Services Co\1713 Gilcrease Museum Wall\Final\Gilcrease Museum Rd - PLANTING (6-16-25).dwg, L4, 6/17/2025 9:26:16 AM

MATCH LINE STA. 171+22.42

MATCH LINE STA. 177+47.60

CITY OF TULSA

LIMITS OF DISTURBANCE (TYP.)

3/4" OZARKA STONE MULCH
REF. DETAIL C SHEET L7

CAUTION!! STORM SEWER IN VICINITY

ORNAMENTAL GATE LOCATION

BERMUDA SOD (TYP.)

PAVED STORM DITCH

CAUTION!! SANITARY SEWER IN VICINITY

RETAINING WALL (TYP.)

N. GILCREASE MUSEUM RD.

EX. 10" WATER LINE

CAUTION!! GAS LINE IN VICINITY

LIGHT POLE LOCATION (BY OTHERS)(TYP.)

CAUTION!! WATER LINE IN VICINITY!

19 18 17 16 15 14 13 12 11

GILCREASE HILLS VILLAGE I
BLKS. 1,2, & 3

1"=20'

0 10 20 40

LANDSCAPE LEGEND

KEY	SYM.	COMMON NAME	BOTANICAL NAME
MEDIUM TREES			
	PC	CHINESE PISTACHE	Pistacia chinensis
SMALL TREES			
	QRB	REGAL PRINCE® OAK	Quercus robur x bicolor 'Long'
	CR	OKLAHOMA REDBUD	Cercis canadensis var. texensis 'Oklahoma'
GROUND COVERS			
		U3 BERMUDA SOD	
		3/4" OZARKA STONE MULCH	

NOTE: SOD ALL AREAS DISTURBED BY CONSTRUCTION.

STATE OF OKLAHOMA
JULIE GRAFF
LA 382
LICENSED LANDSCAPE ARCHITECT
6/17/25

PLANTING PLAN (5)

ARTERIAL STREET REHABILITATION GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS.TMUA-W 22-37, 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	PGW	5/2025	APPROVED:
	DESIGNED	PGW	5/2025	
	SURVEY	MW	3/2022	
PROFILE SCALE: N/A	PROJ. MGR.			
	LEAD ENGR.		6/25	
HORIZONTAL: N/A	FIELD MGR.		6/25	
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER		7.25	CITY ENGINEER
FILE: H:\21-1009 DRAWING:				DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET L5 OF 268 SHEETS

H:\21-1009 On Call LA Services Co\11713 Gilcrease Museum Wall\Final\Gilcrease Museum Rd. - PLANTING (6-16-25).dwg, L5, 6/17/2025 9:30:16 AM

MATCH LINE STA. 177+47.60

MATCH LINE STA. 183+00.00

CITY OF TULSA

THE FRANCES E. WILLARD HOME, A CORPORATION

LIMITS OF DISTURBANCE (TYP.)

BERMUDA SOD (TYP.)

EX. 6" WATER LINE

(3) PC

(3) CR

LIGHT POLE LOCATION (BY OTHERS)(TYP.)

PAVED STORM DITCH

RETAINING WALL (TYP.)

EX. 10" WATER LINE

CAUTION!! WATER LINE IN VICINITY!

CAUTION!! STORM SEWER IN VICINITY

PI: STA. 181+54.20

178+00 179+00 180+00 181+00 182+00 183+00

N.GILCREASE MUSEUM RD.

W. PINE ST.

50.0'

GILCREASE HILLS VILLAGE II

3

10 9 8 7

LANDSCAPE LEGEND

KEY	SYM.	COMMON NAME	BOTANICAL NAME
MEDIUM TREES			
	PC	CHINESE PISTACHE	Pistacia chinensis
SMALL TREES			
	QRB	REGAL PRINCE® OAK	Quercus robur x bicolor 'Long'
	CR	OKLAHOMA REDBUD	Cercis canadensis var. texensis 'Oklahoma'
GROUND COVERS			
		U3 BERMUDA SOD	
		LANDSCAPE BOULDER (REF. DETAIL SHEET FOR PLACEMENT AND SIZE INFO.)	

1"=20'

0 10 20 40

NOTE: SOD ALL AREAS DISTURBED BY CONSTRUCTION.

STATE OF OKLAHOMA JULIE GRAFF LA 382 6/17/25 LICENSED LANDSCAPE ARCHITECT

PLANTING PLAN (6)

ARTERIAL STREET REHABILITATION GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS.TMUA-W 22-37, 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

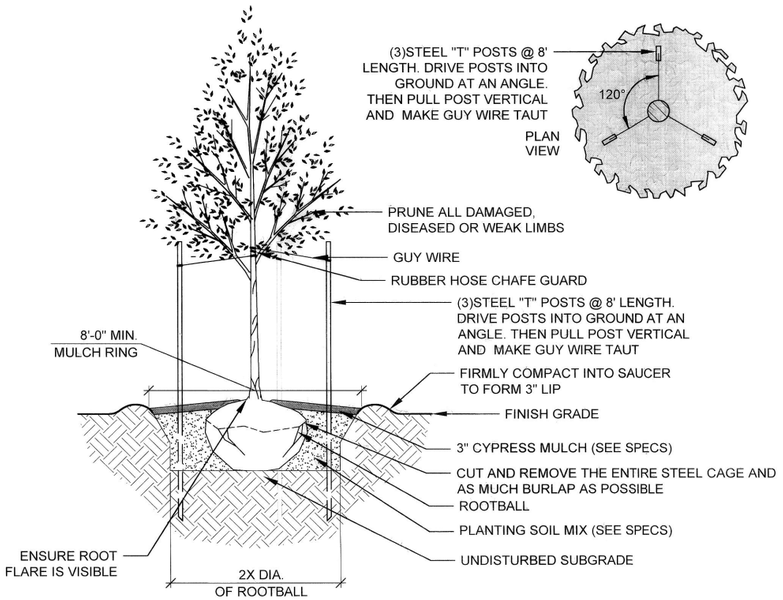
PLAN SCALE: 1" = 20'	DRAWN	PGW	5/2025	APPROVED:
	DESIGNED	PGW	5/2025	
	SURVEY	MW	3/2022	
PROFILE SCALE: N/A	PROJ. MGR.			
	LEAD ENGR.		6/25	
HORIZONTAL: N/A	FIELD MGR.		6/25	
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER		7-3-25	CITY ENGINEER

FILE: H:\21-1009 DRAWING: DATE: 7/3/2025

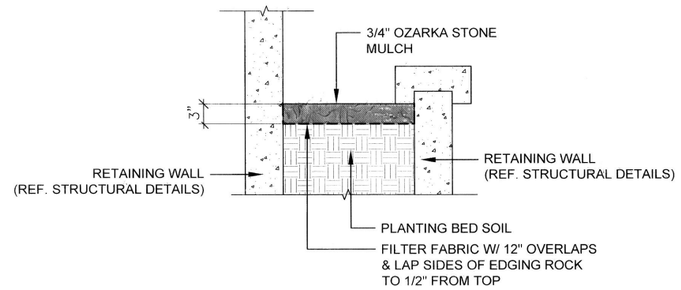
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75 SHEET L6 OF 268 SHEETS

I:\1711 On Call LA Services Co\1713 Gilcrease Museum Wall\Final\Gilcrease Museum Rd. - PLANTING (6-16-25).dwg, L6, 6/17/2025 9:34:40 AM

NOTE: DO NOT PILE MULCH AROUND TRUNK.



A L7 TREE PLANTING, SINGLE TRUNK
NOT TO SCALE



B L7 SECTION-DECORATIVE ROCK LANDSCAPE AREA
NOT TO SCALE

LANDSCAPE LEGEND

KEY	SYM.	QTY.	COMMON NAME	BOTANICAL NAME	MIN. SIZE
MEDIUM TREES					
	PC	(66)	CHINESE PISTACHE	Pistacia chinensis	2" CAL. B&B 8' - 10' Ht. x 4' - 6' W
	QRB	(18)	REGAL PRINCE® OAK	Quercus robur x bicolor 'Long'	2" CAL. 8' - 10' Ht. x 4' - 6' W
SMALL TREES					
	CR	(90)	OKLAHOMA REDBUD	Cercis canadensis var. texensis 'Oklahoma'	1.5" CAL. 6' - 8' Ht. x 3' - 4' W
GROUND COVERS					
		(25,741 SY)	U3 BERMUDA SOD		
		(5 TONS)	3/4" OZARKA STONE MULCH		

LANDSCAPE NOTES

1. THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLAN AS CLOSELY AS POSSIBLE. ANY DISCREPANCY IN THE PLAN VS. FIELD CONDITIONS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
2. NOTIFY THE LANDSCAPE ARCHITECT FOR INSPECTION AND APPROVAL OF LANDSCAPE MATERIAL PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL WARRANTY THE PLANT MATERIAL & WORKMANSHIP FOR A PERIOD OF ONE YEAR AS SPECIFIED.
4. ALL TREES ARE TO BE STAKED AND GUYED PER DETAIL FOR A PERIOD OF ONE YEAR. CONTRACTOR SHALL REMOVE ALL STAKING AND GUYING PRIOR TO THE FINAL, ONE YEAR WALK THROUGH.
5. TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DRAINAGE AREAS, OR UTILITY EASEMENTS. CONTACT LANDSCAPE ARCHITECT FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS.
6. SIGHT TRIANGLES SHALL REMAIN UNOBSTRUCTED BY PLANT MATERIAL, OR ANY OTHER VISUAL OBSTACLE, BETWEEN A HEIGHT OF 30 AND 96 INCHES AT THE TIME OF INSTALLATION AND MATURITY OF PLANTS.
7. REFER TO QUANTITIES SHOWN GRAPHICALLY IF DISCREPANCIES EXIST BETWEEN WRITTEN AND GRAPHIC QUANTITIES.
8. THE LANDSCAPE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE EXISTS IN ALL LANDSCAPE AREAS.
9. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE TO PAY FOR, OBTAIN, ALL REQUIRED PERMITS FROM THE CITY OF TULSA TO DO LANDSCAPE IMPROVEMENTS.
10. CONTRACTOR SHALL NOT DEVIATE FROM PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL FROM LANDSCAPE ARCHITECT.
11. FINAL STAKING OF ALL PLANT MATERIAL SHALL BE ACCEPTED BY THE LANDSCAPE ARCHITECT IN ADVANCE OF PLANTING.
12. LANDSCAPE ARCHITECT MAY ELECT TO UPSIZE PLANT MATERIAL AT THEIR DISCRETION BASED ON SELECTION, AVAILABILITY, OR TO ENHANCE SPECIFIC AREAS OF THE PROJECT.
13. WEEDS SHALL BE REMOVED AS APPROVED BY THE LANDSCAPE ARCHITECT IN ALL MULCHED AREAS APPLIED PER PLANS.
14. PLANTS SHALL BE IN A MOIST, VIGOROUS CONDITION, FREE FROM DEAD WOOD, BRUISES OR OTHER ROOT OR BRANCH INJURIES. THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REJECT ANY PLANTS THAT DO NOT MEET THE STANDARDS AS SET FORTH BY THE AMERICAN STANDARDS INSTITUTE (ANSI) PUBLICATIONS: Z60.1-1996 NURSERY STOCK.
15. VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION FOR TREE PLANTING.
16. ALL ITEMS SHOWN ON THE PLANTING PLANS, DETAILS AND TREE, SHRUBS AND GROUNDCOVER. COST OF PLANTING SHALL INCLUDE, BUT NOT BE LIMITED TO, TREE STAKING, GUYING, FERTILIZING, EXCAVATION, AND WATERING AS REQUIRED BY THE SPECIFICATIONS. ANY ITEM NOT LISTED ON THE BID SHEET SHALL BE CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF OTHER ITEMS.
17. THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL AND SPECIFICATIONS.

STATE OF OKLAHOMA JULE GRAF LA 32 6/17/25 REGISTERED LANDSCAPE ARCHITECT

PLANTING DETAILS (1)

ARTERIAL STREET REHABILITATION GILCREASE MUSEUM RD./N. 25th W. AVE. WIDENING
PROJECT NOS.TMUA-W 22-37, 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	PGW	5/2025
	DESIGNED	PGW	5/2025
	SURVEY	MW	3/2022
PROFILE SCALE: N/A	PROJ. MGR.		
	LEAD ENGR.		6/25
HORIZONTAL: N/A	FIELD MGR.		6/25
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER		7/25

APPROVED: CITY ENGINEER

FILE: H:\21-1009 DRAWING: DATE: 7/3/2025

ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75 SHEET L7 OF 268 SHEETS

F:\1711 On Call LA Services Co\T1713 Gilcrease Museum Wall\Final\Gilcrease Museum Rd - PLANTING (6-16-25).dwg, L7, 6/17/2025 9:36:34 AM

BASE BID: PAY QUANTITIES

ITEM NUM	SPEC NUM	DESCRIPTION	PAY NOTES	UNITS	QUAN.
1	SPECIAL	3/4" OZARKA STONE MULCH	P2	TON	5
2	831 & 832	(PL) PLANTING (MATERIALS) - TOPSOIL		CY	1362
3	832 & 833	SOLID SLAB SODDING (U3 BERMUDA)	P1, P5, P6	SY	25741

ADD ALTERNATE: PAY QUANTITIES

ITEM NUM	SPEC NUM	DESCRIPTION	PAY NOTES	UNITS	QUAN.
1	831 & 833	(PL) PLANTING (MEDIUM TREES) - CHINESE PISTACHE Pistachia chinensis	P2	EA	66
2	831 & 833	(PL) PLANTING (MEDIUM TREES) - REGAL PRINCE OAK Quercus robur x bicolor 'Long'	P2	EA	15
3	831 & 833	(PL) PLANTING (SMALL TREES) - OKLAHOMA REDBUD Cercis canadensis var. texensis 'Oklahoma'	P2	EA	89
4	831 & 833	(PL) PLANTING (MATERIALS) - CYPRESS MULCH (3 CF BAG)	P3	BAG	340
5	831	(PL) PLANTING (MATERIALS) - BACK TO EARTH (3 CF BAG)		BAG	170
6	831	UNCLASSIFIED EXCAVATION	P4	CY	633
7	831	PLANTING BACKFILL	P7	CY	728

GENERAL CONSTRUCTION NOTES:

ITEMS LISTED OR SHOWN ON DRAWINGS AND/ OR DESCRIBED IN THE SPECIFICATIONS THAT ARE NOT INCLUDED AS A SEPARATE PAY ITEM QUANTITY SHALL BE CONSIDERED INCIDENTAL AND THE COST SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS. THE PRICE BID FOR ALL WORK SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, INCIDENTALS, AND ALL OTHER REQUIRED ITEMS TO COMPLETE THE WORK AS SHOWN ON PLANS AND SPECIFICATIONS.

PAY NOTES:

P1. INCLUDES AN ADDITIONAL 5% QUANTITY OVER THE PLAN AREA TO ACCOUNT FOR WASTE, TOPOGRAPHIC CHANGE, ETC. ALL DISTURBED AREAS OUTSIDE WHAT IS SHOWN ON THE PLANS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT CONTRACTOR'S EXPENSE.

P2. MULCH, BOTH WOOD AND ROCK, SHALL BE FREE FROM DELETERIOUS MATERIALS AND SHALL BE STORED AS TO PREVENT INCLUSION OF FOREIGN MATERIALS.

P3. BID PRICE SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS TO INSTALL CYPRESS MULCH. THIS QUANTITY INCLUDES CYPRESS MULCH AT A 3" DEPTH AT ALL PLANTING BED AREAS.

P4. BID PRICE SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS TO REMOVE THE EXISTING SOIL FROM TREE PLANTING LOCATIONS. EXCAVATION IS FIGURED FOR 2'-0" DEPTH FROM EXISTING GRADE. THIS PAY ITEM DOES NOT INCLUDE "UNCLASSIFIED EXCAVATION" QUANTITIES AS CALLED FOR IN THE ROADWAY ENGINEERING PLANS.

P5. SOLID SLAB SODDING (U3 BERMUDA) PAY ITEM ALSO INCLUDES ALL WATERING AND FERTILIZING UNTIL FINAL ACCEPTANCE

P6. ESTIMATED QUANTITY IS BASED ON SODDING OF ALL DISTURBED AREAS OUTSIDE THE FINAL PAVING LIMITS AND WITHIN THE FINAL GRADING LIMITS AS INDICATED BY THE "LIMITS OF DISTURBANCE" LINES ON THE PLANS (EXCLUDING SURFACES OF STRUCTURES, FIXTURES AND APPURTENANCES). PRICE BID INCLUDES PLACEMENT AND COMPACTION OF SUITABLE BACKFILL. ANY EXISTING GRASSED AREAS BEYOND THE ABOVE STATED LIMITS THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESODDED TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AT THE CONTRACTOR'S SOLE EXPENSE.

P7. INCLUDES AN ADDITIONAL 15% QUANTITY OVER THE PLAN AREA TO ACCOUNT FOR COMPACTION

STATE OF OKLAHOMA
JULIE GRAFF
LA 3827
6/17/25
REGISTERED LANDSCAPE ARCHITECT

PAY QUANTITIES & PAY NOTES

ARTERIAL STREET REHABILITATION GILCREASE MUSEUM RD/N. 25th W. AVE. WIDENING
PROJECT NOS.TMUA-W 22-37, 2036W0001Z & 2036A0024Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 20'	DRAWN	PGW	5/2025	APPROVED:
	DESIGNED	PGW	5/2025	
	SURVEY	MW	3/2022	
PROFILE SCALE: N/A	PROJ. MGR.			
	LEAD ENGR.		6/25	
HORIZONTAL: N/A	FIELD MGR.		6/25	
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: H:£21-1009 DRAWING:				DATE: 7/3/2025
ATLAS PAGE NO: 19, 20, 21, 42, 43, 74, 75				SHEET L8 OF 268 SHEETS

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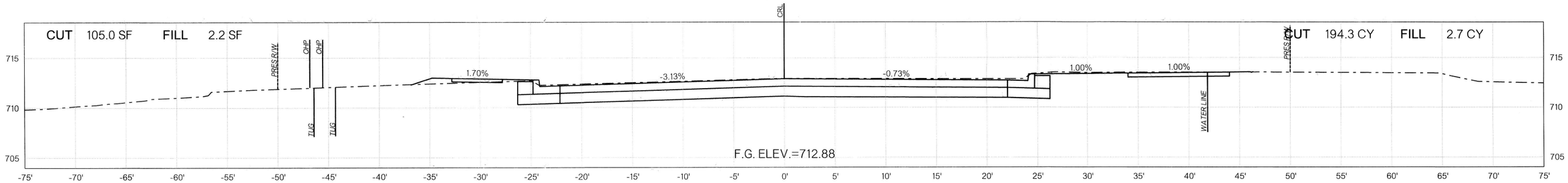

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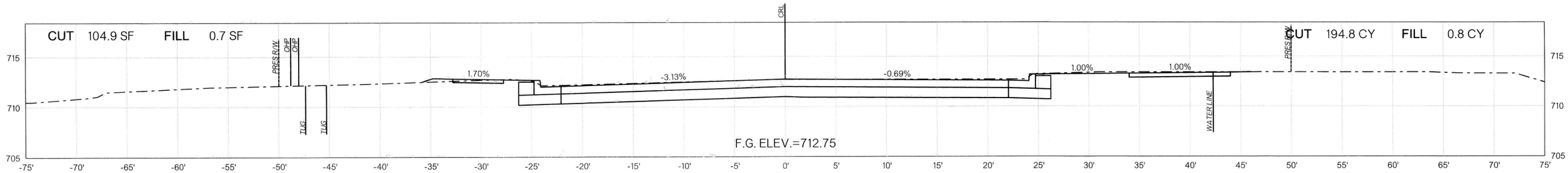

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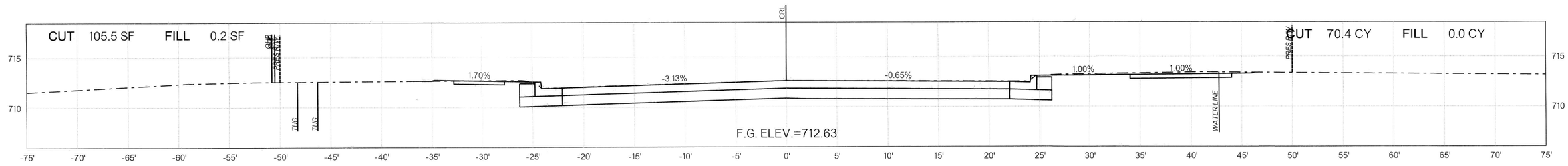

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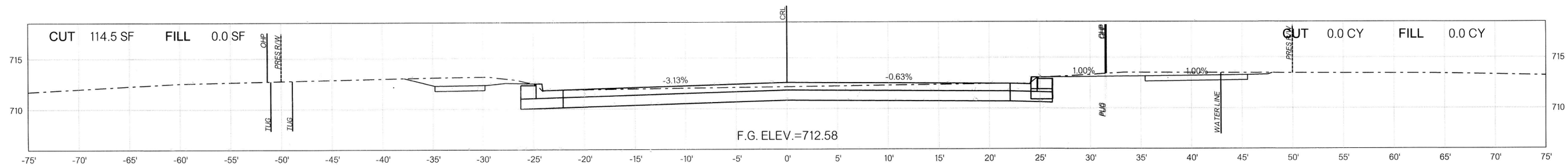

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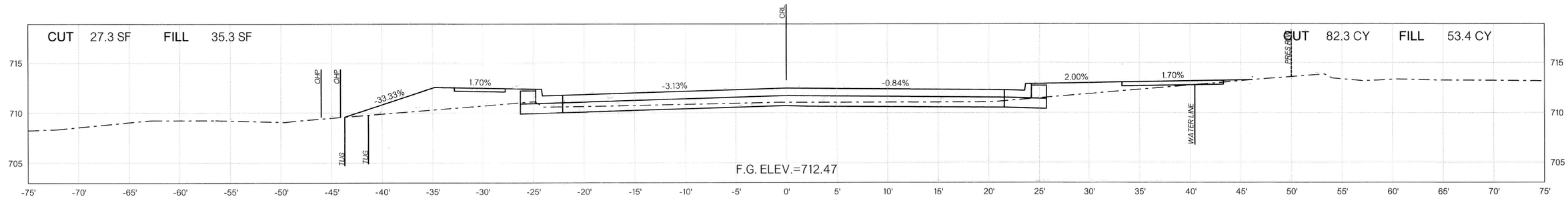

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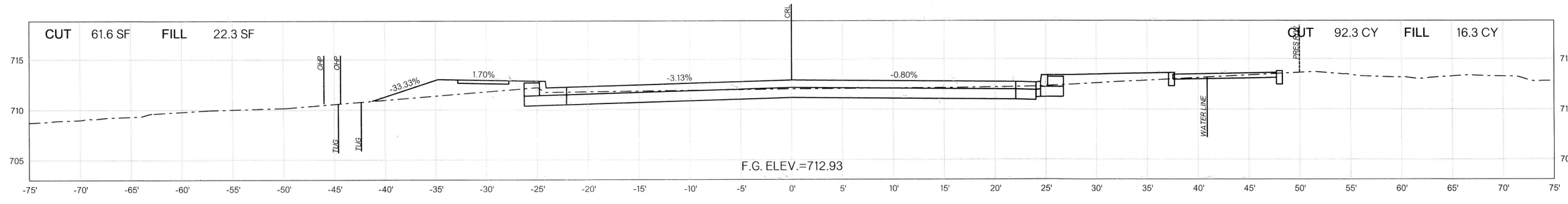

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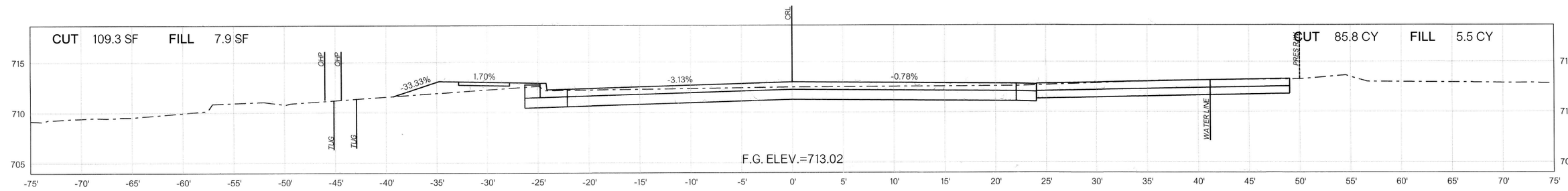

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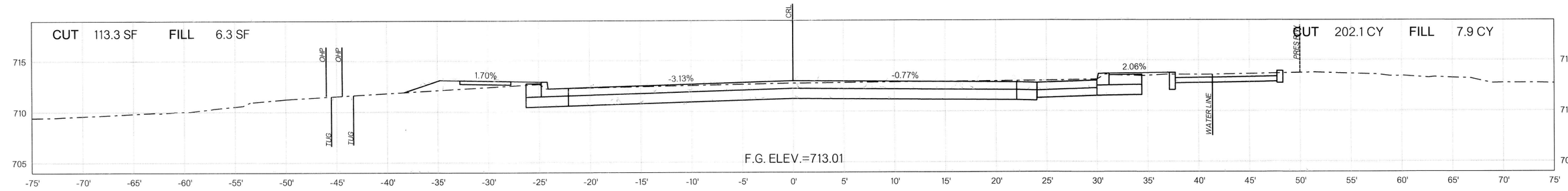

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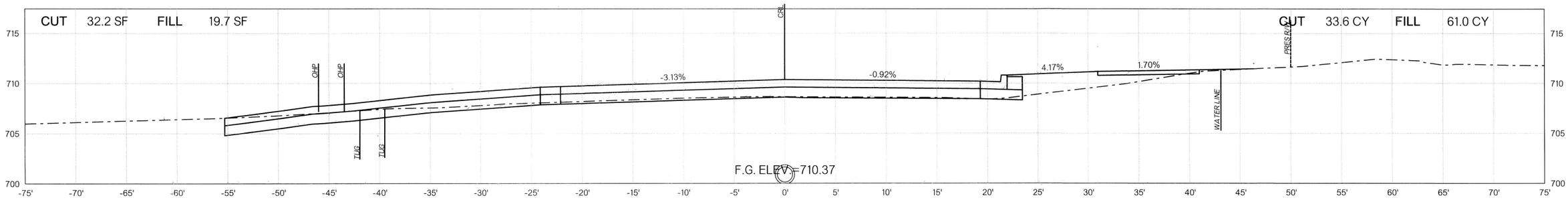

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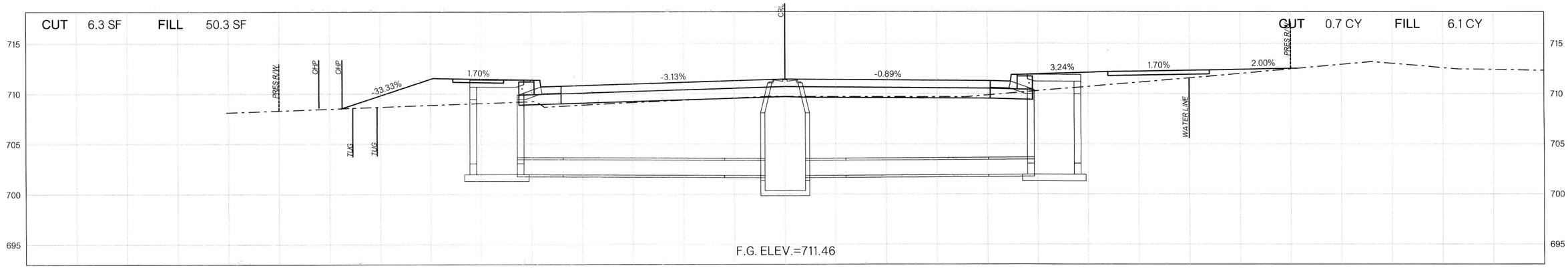

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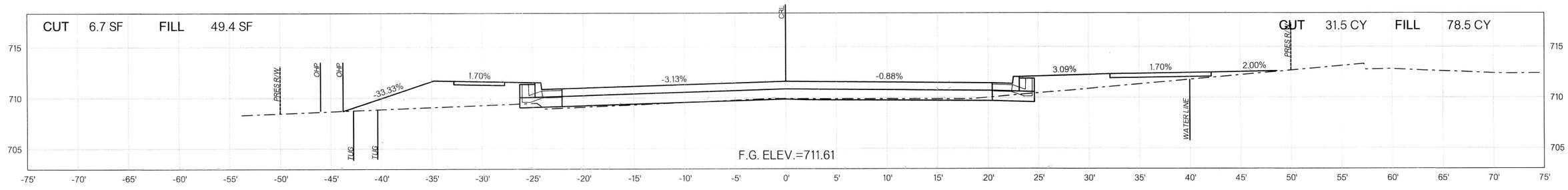

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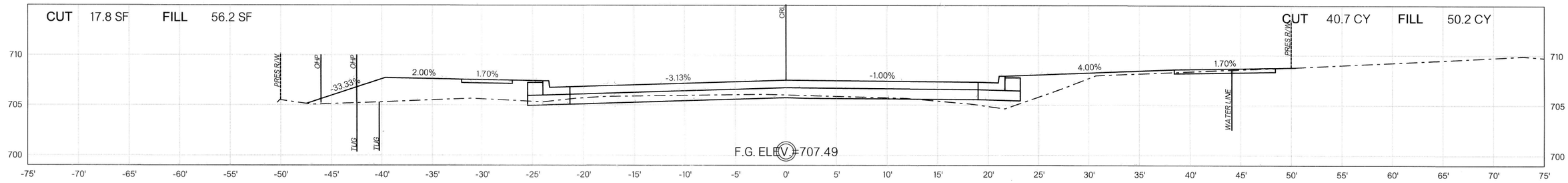

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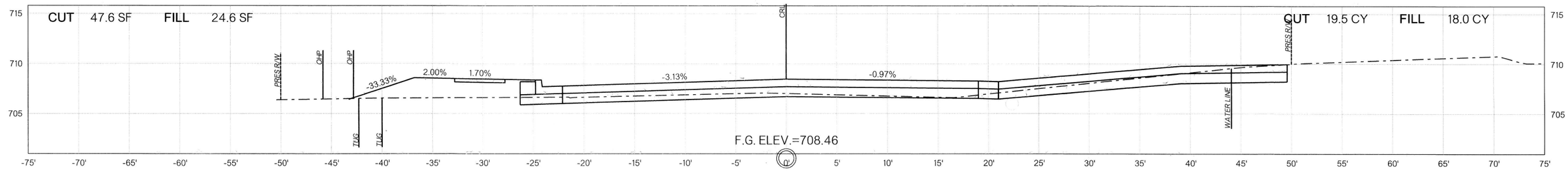

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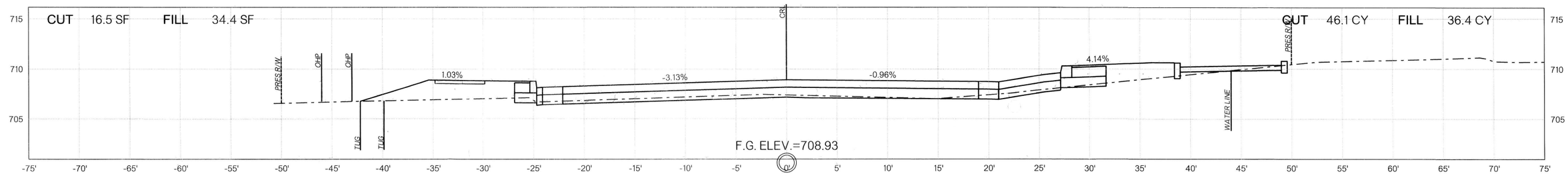

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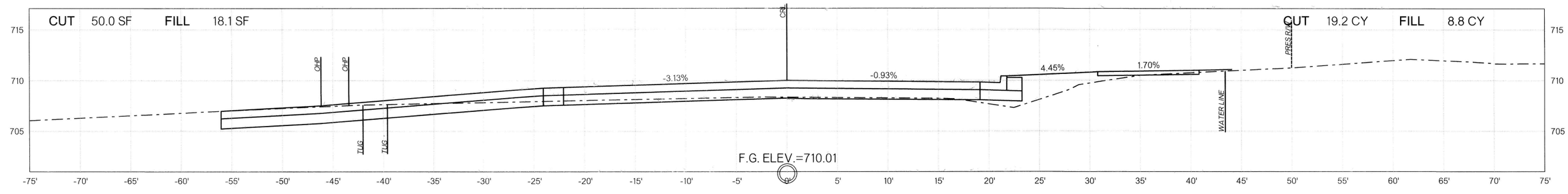

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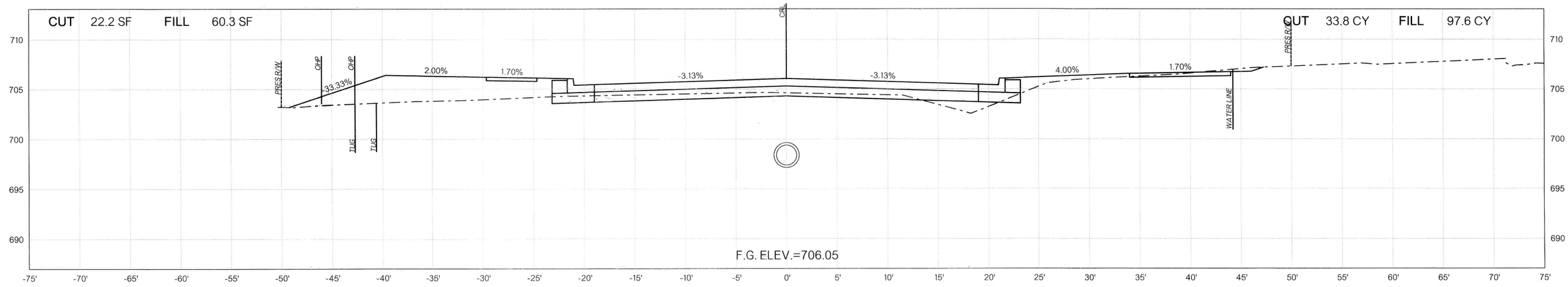

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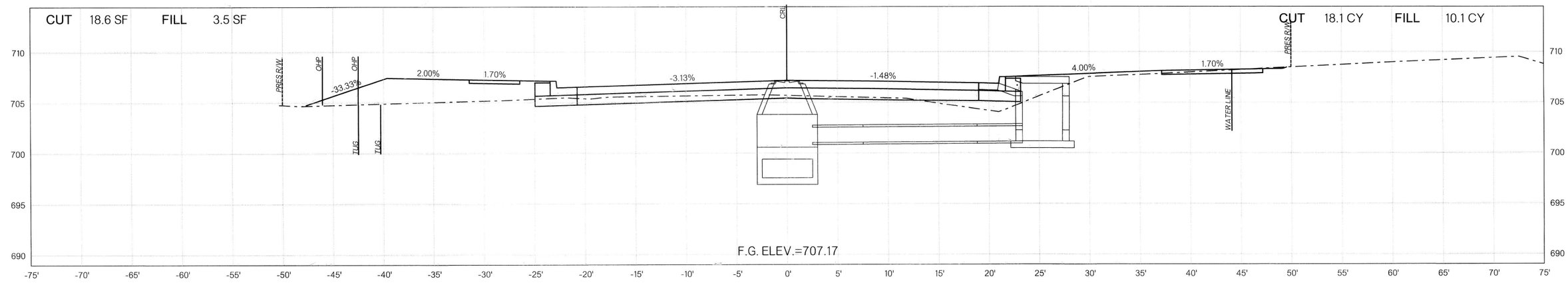

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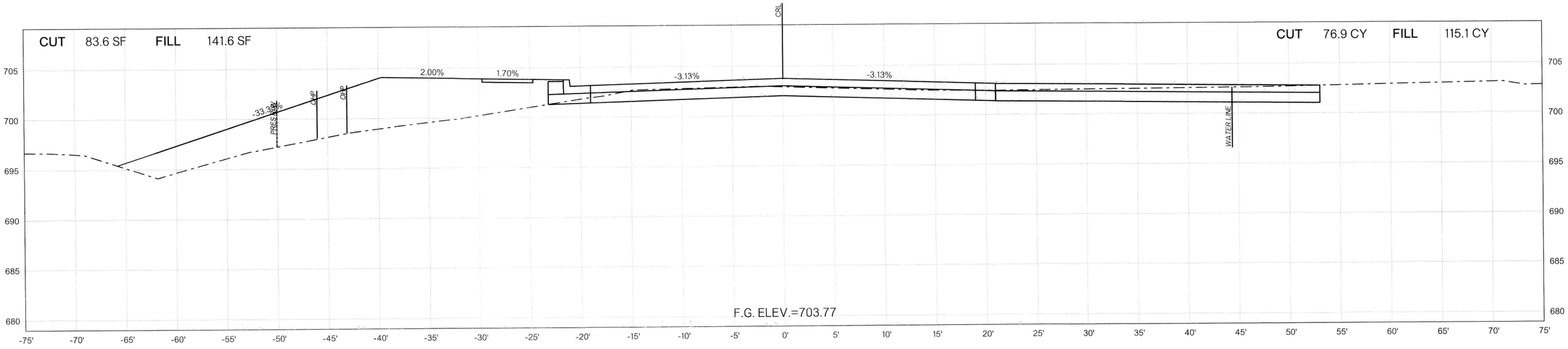

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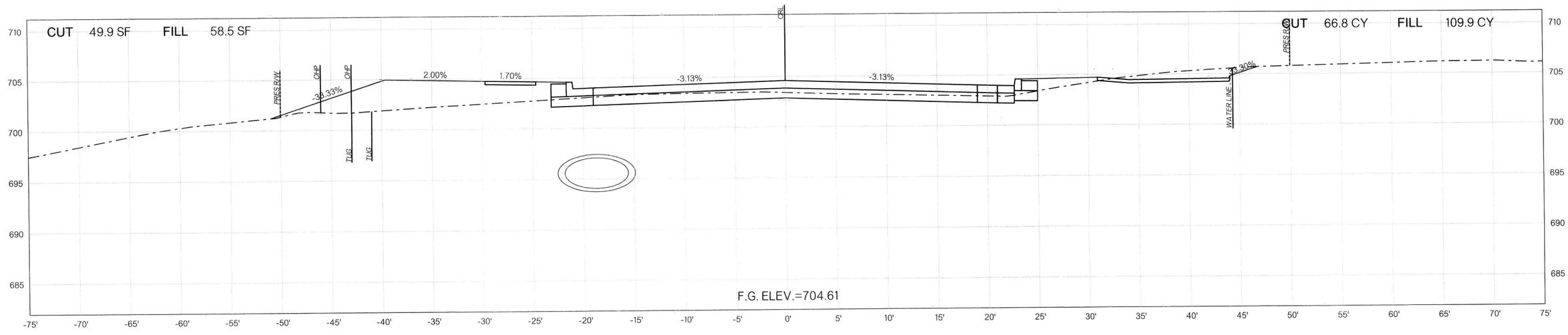

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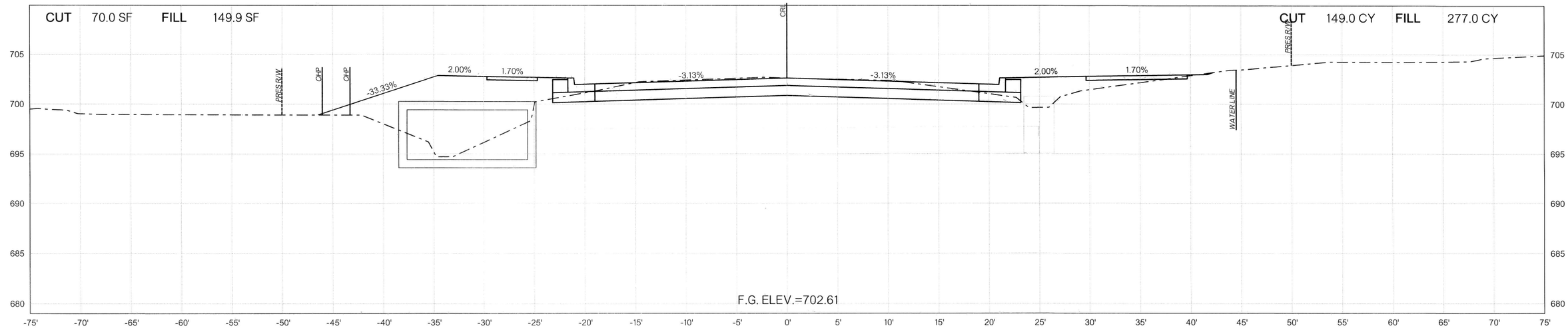

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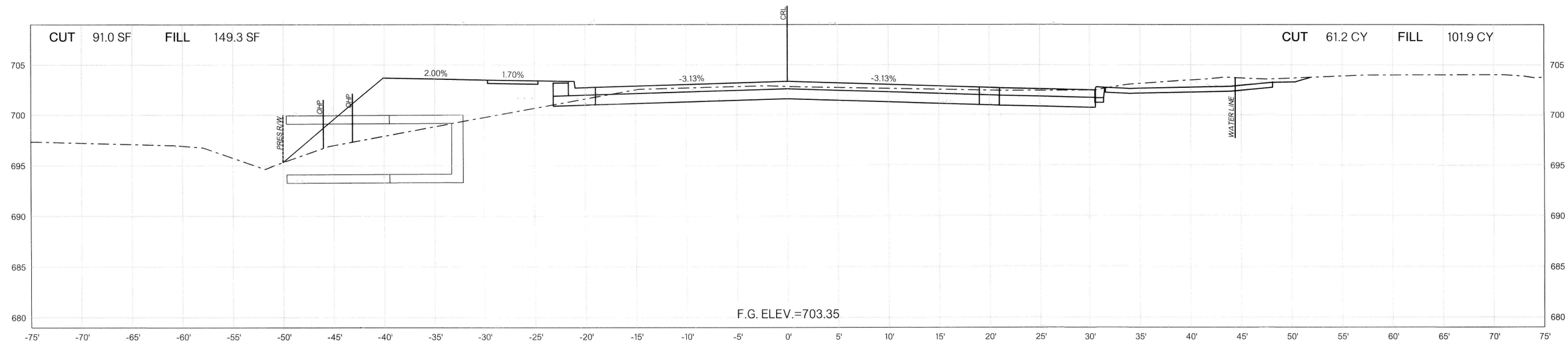

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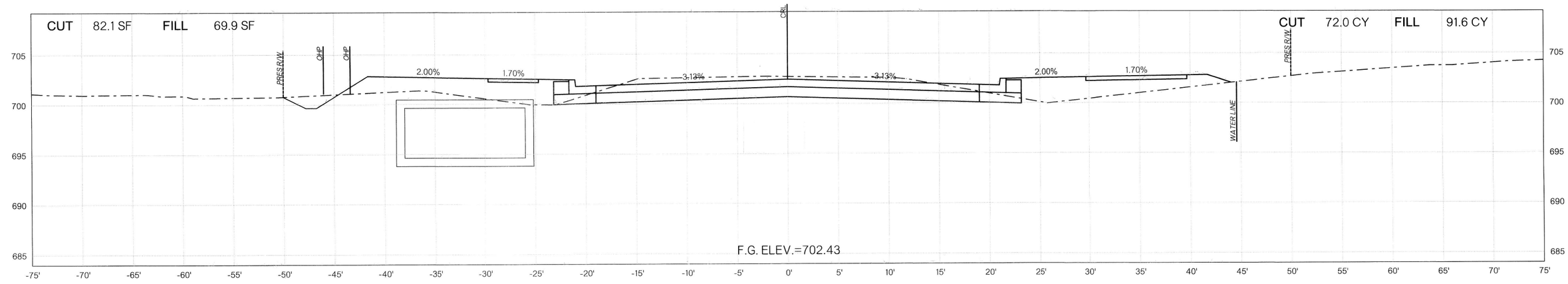

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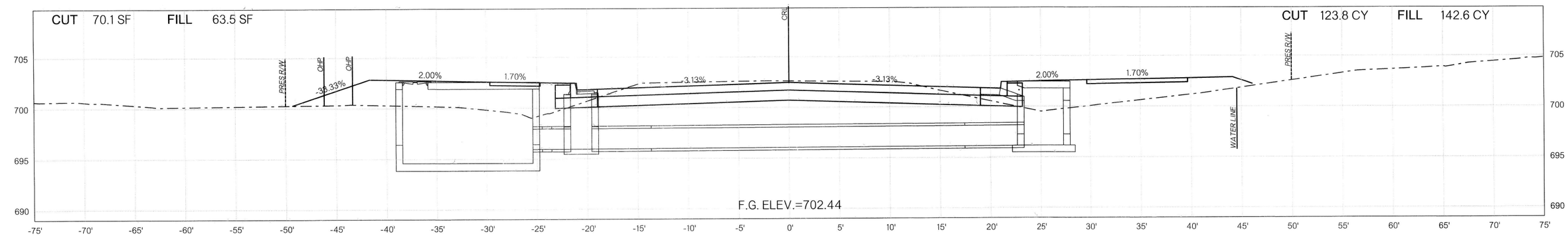

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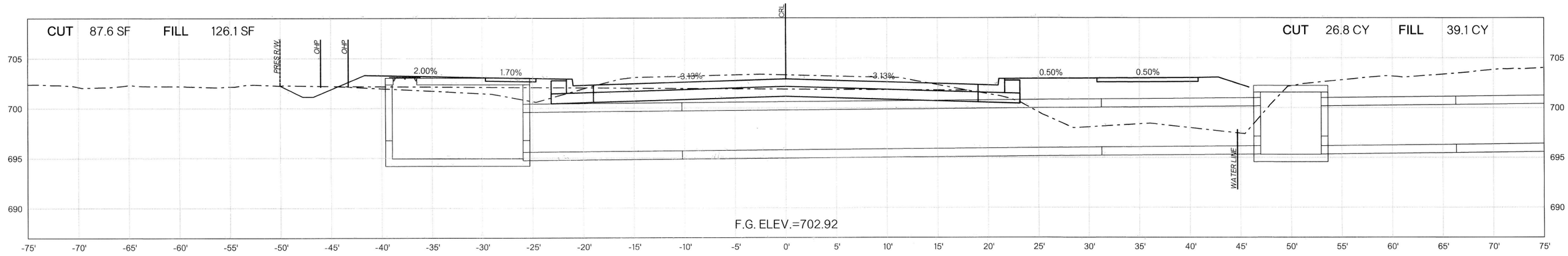

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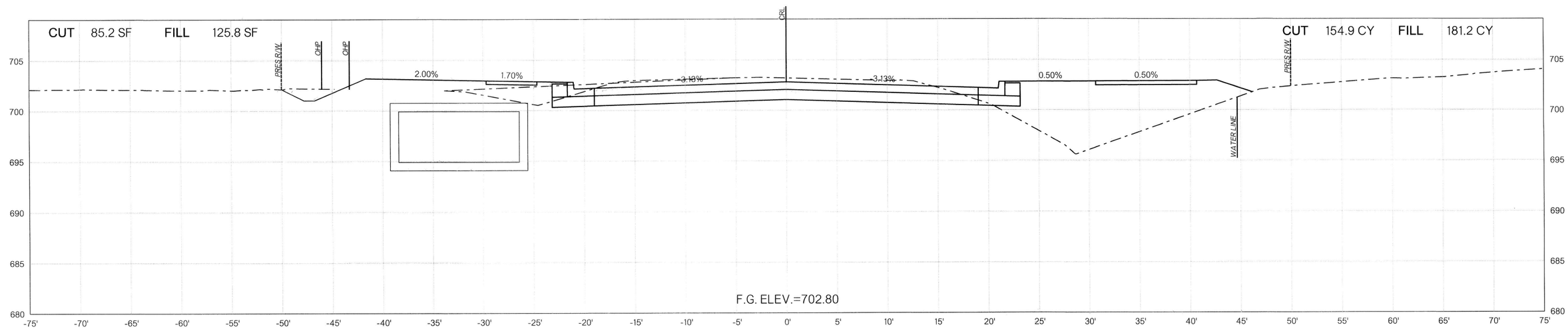

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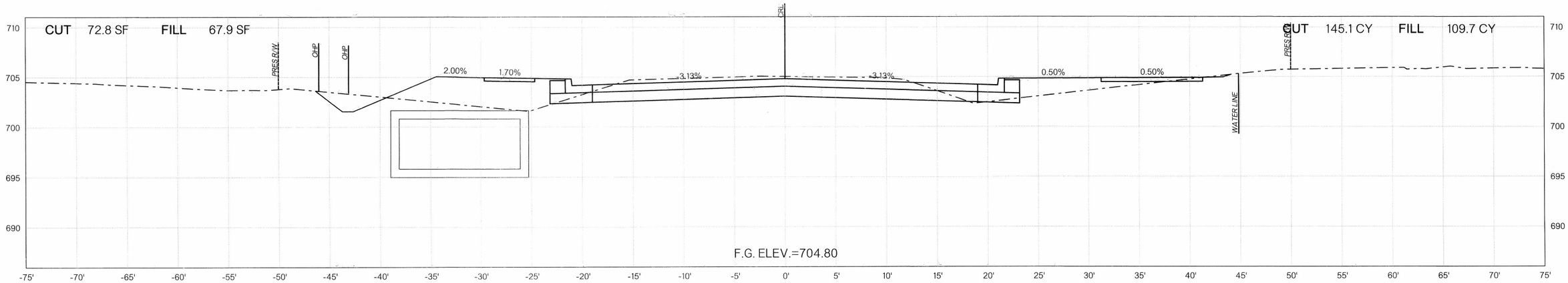

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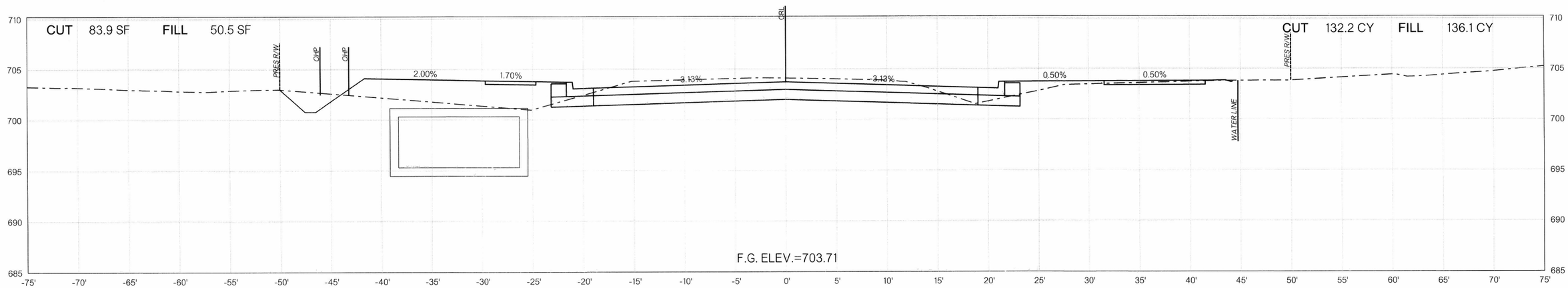

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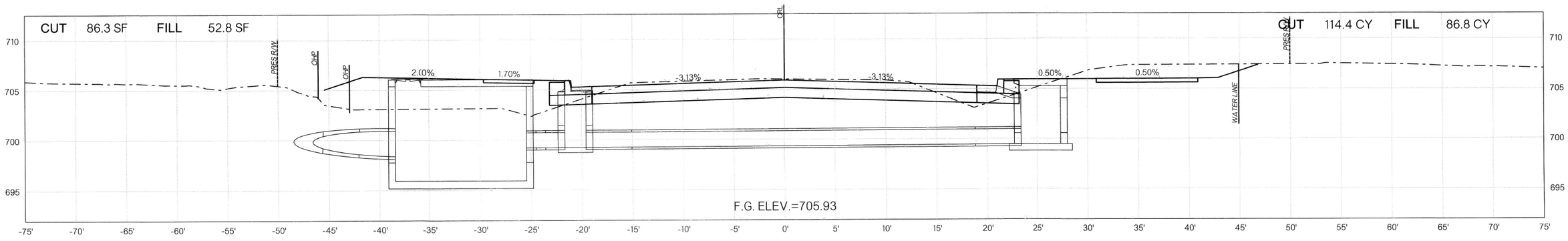

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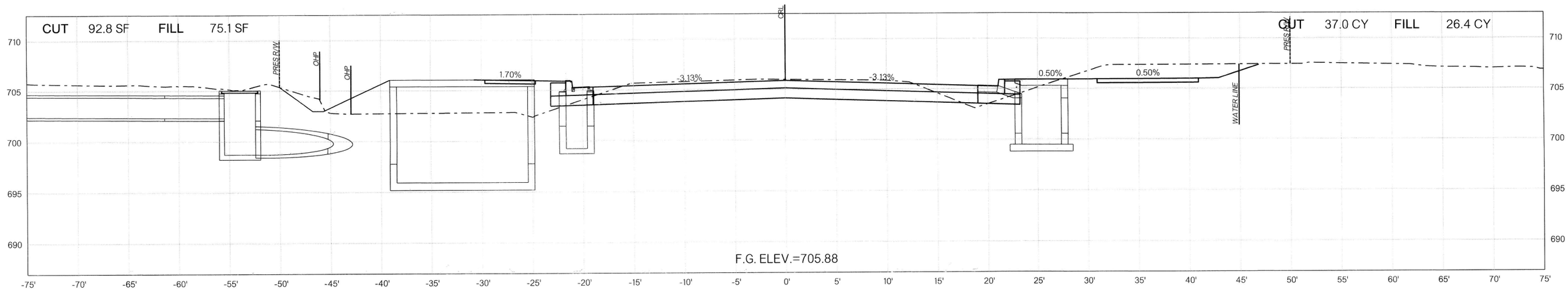

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CROSS SECTION

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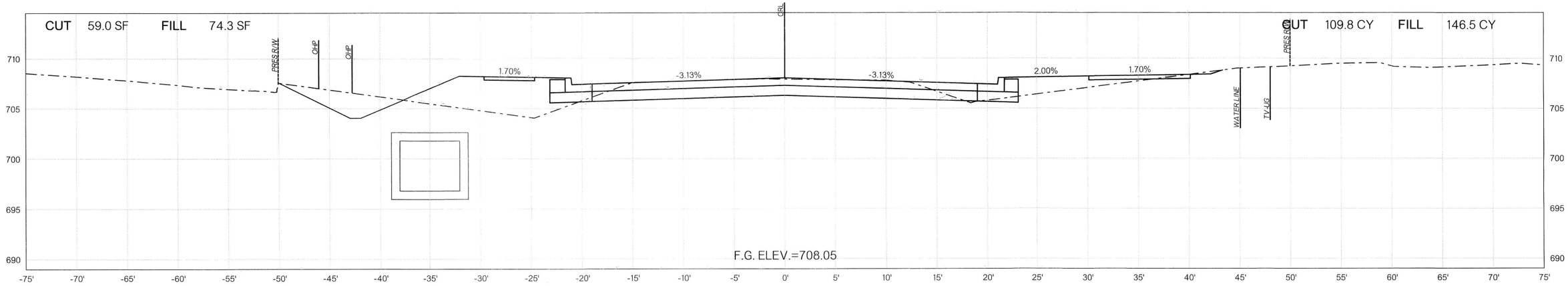
PROJECT NO. & 2036A0024Z SHEET NO. XS11



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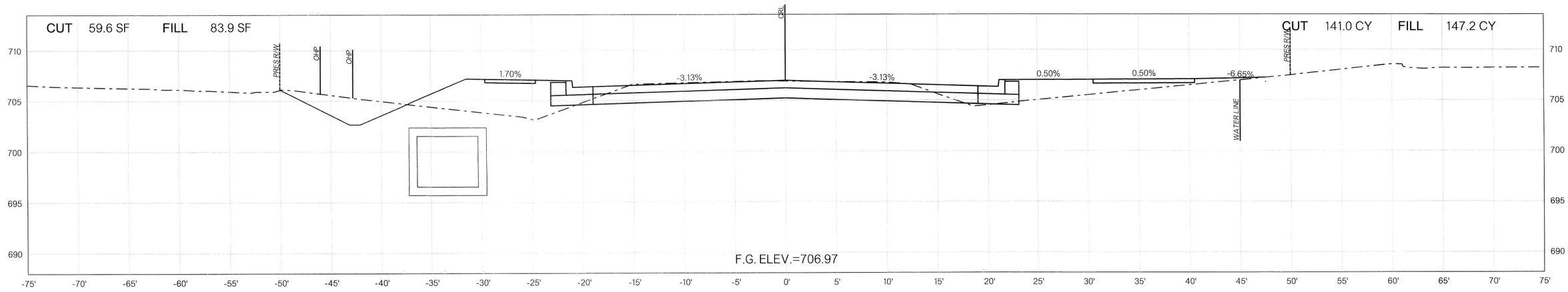

136+00.00

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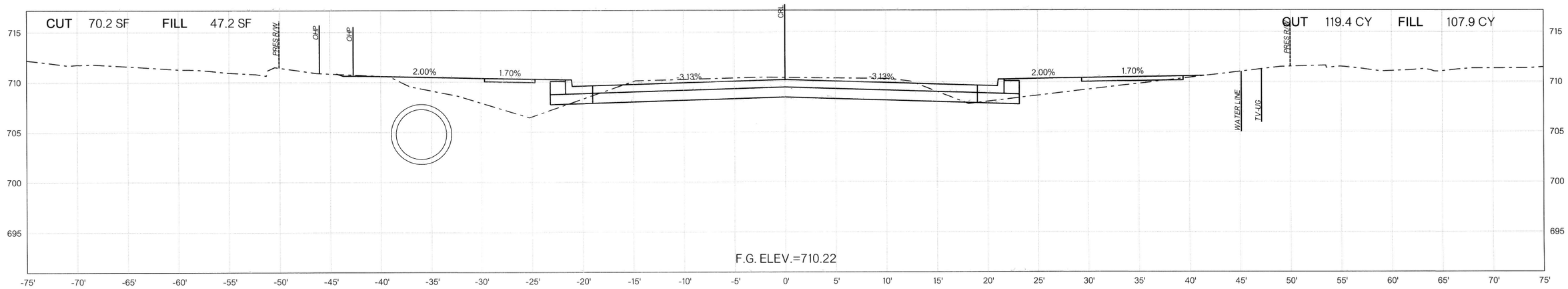
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS12



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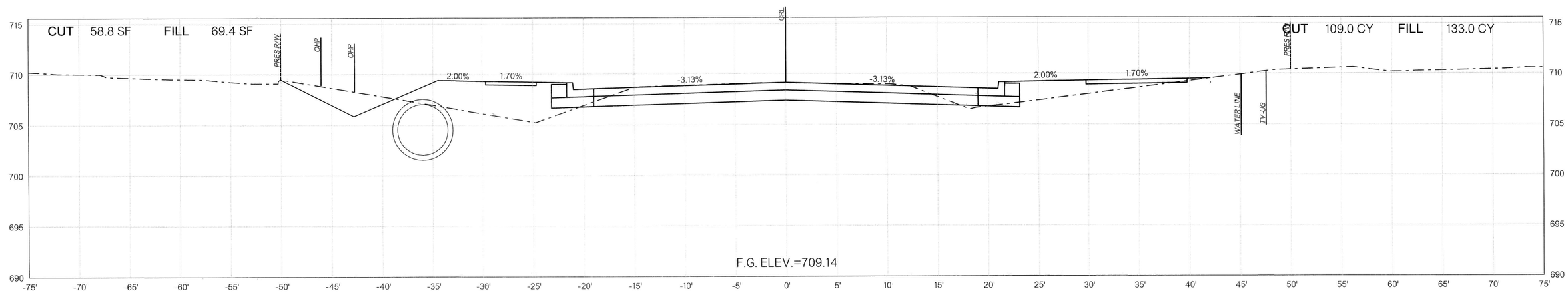

137+00.00

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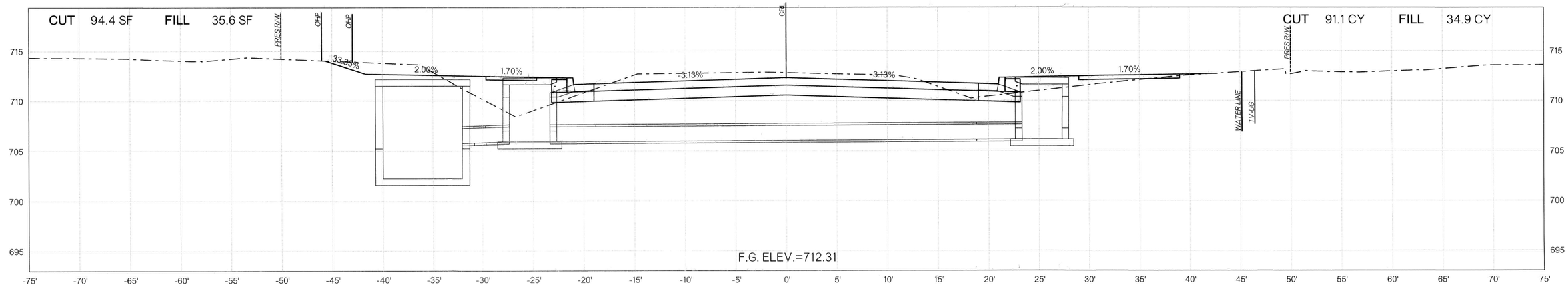
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS13



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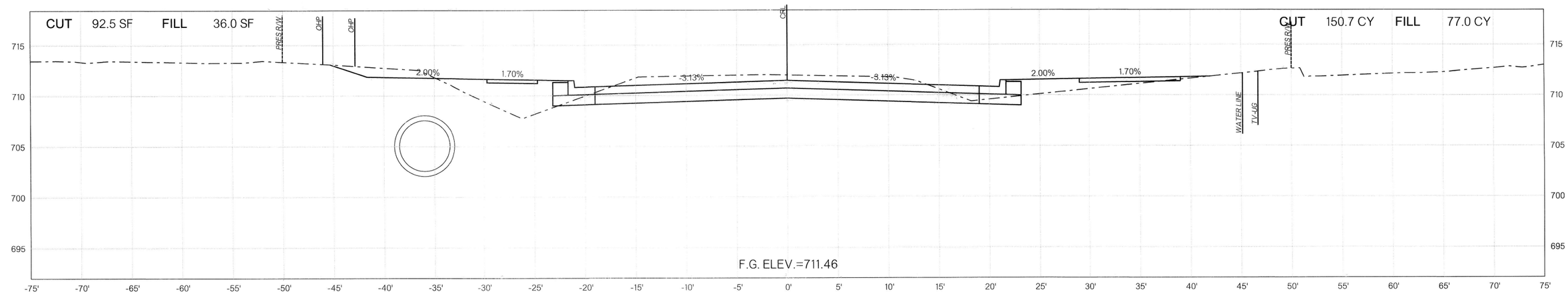

138+00.00

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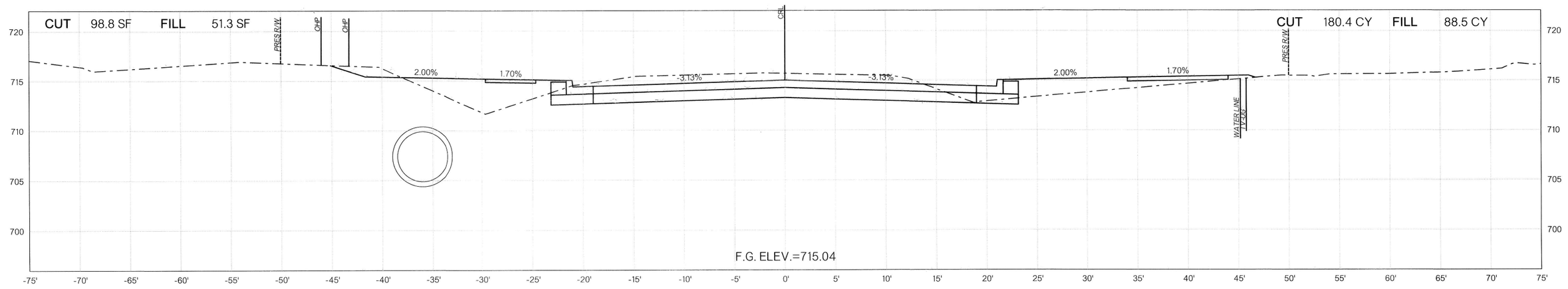
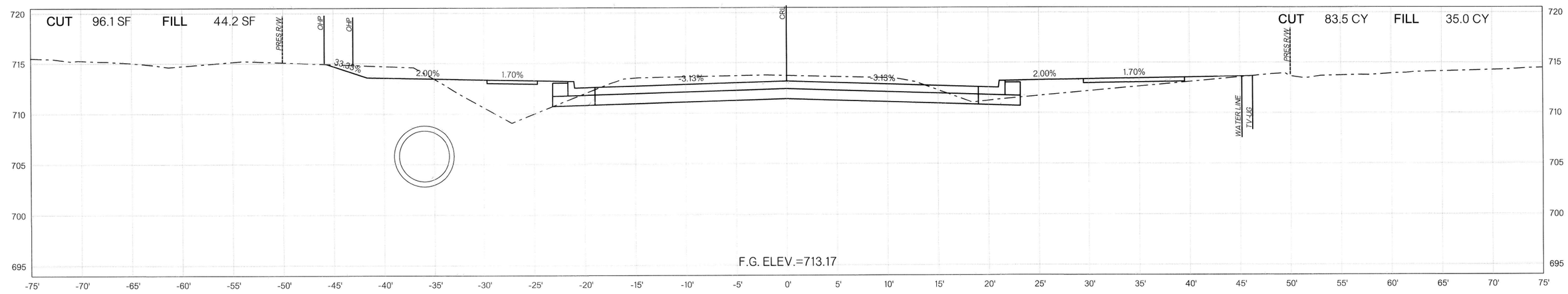
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS14



139+00.00



138+50.00

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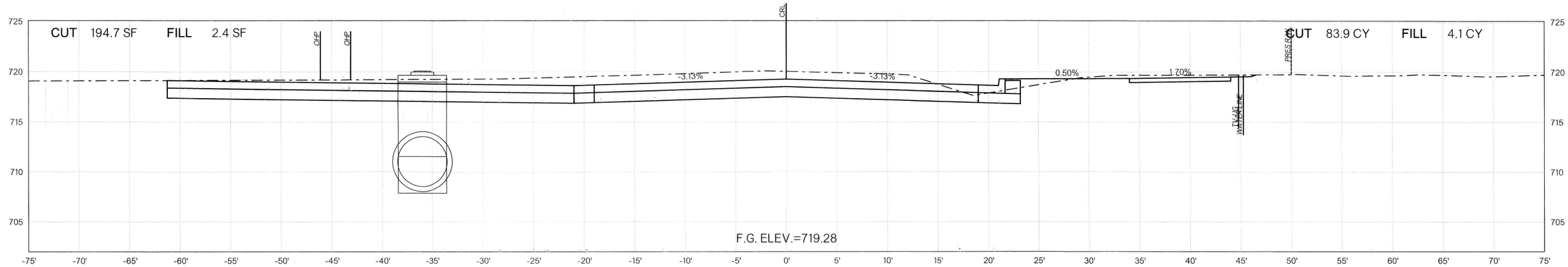
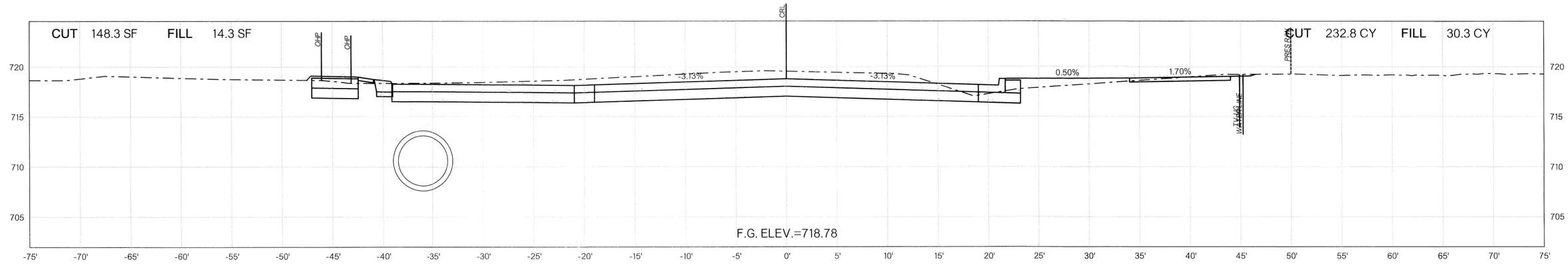
5/30/2025

CROSS SECTION

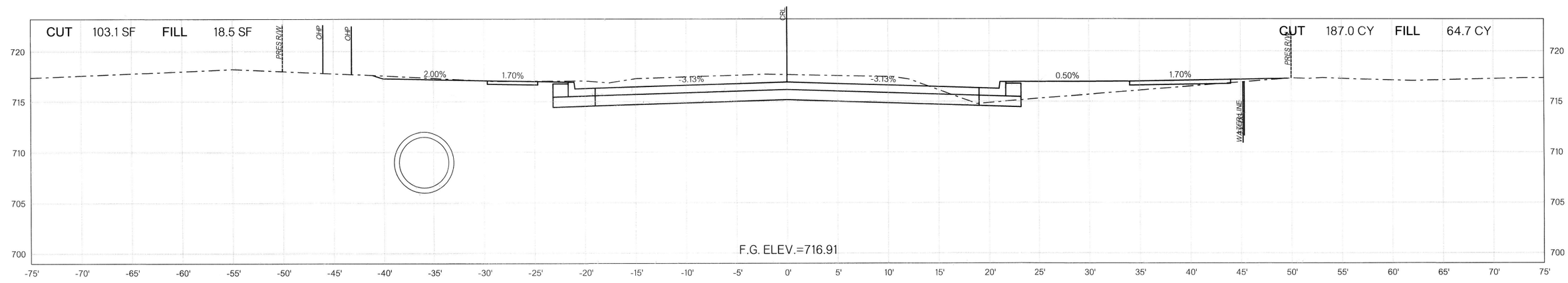
144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS15



140+13.20



140+00.00



139+50.00

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144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS16

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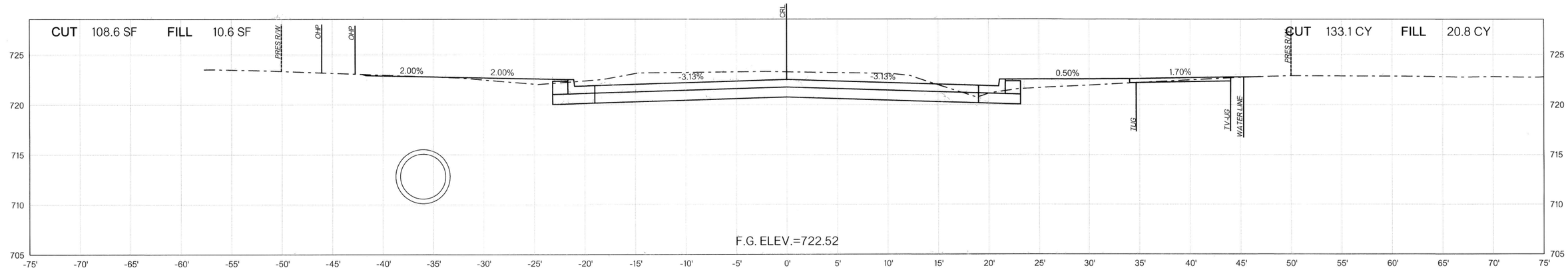
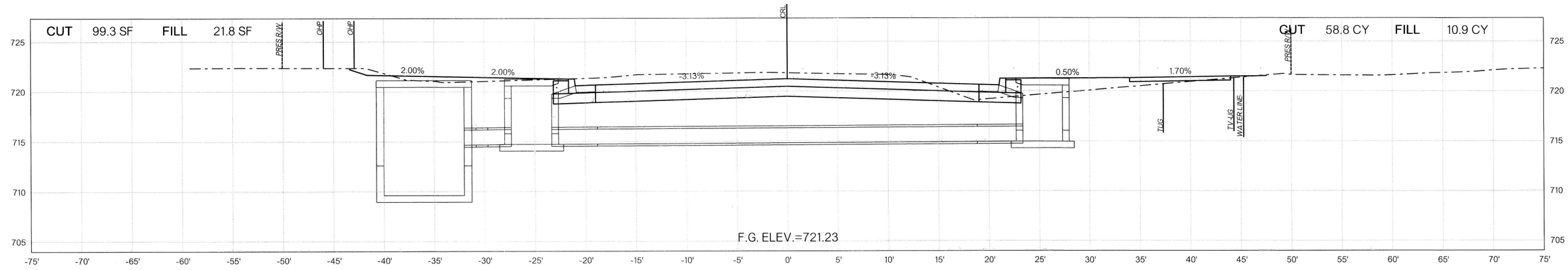
5/30/2025



141+00.00



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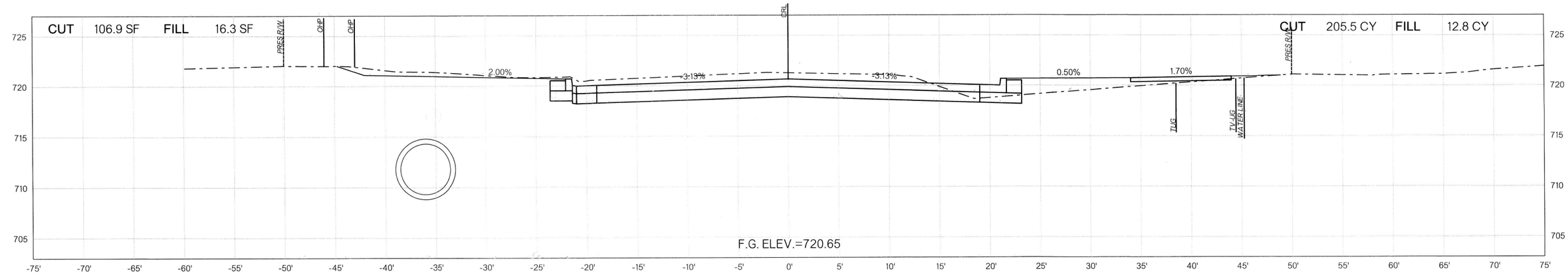

140+50.00

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS17

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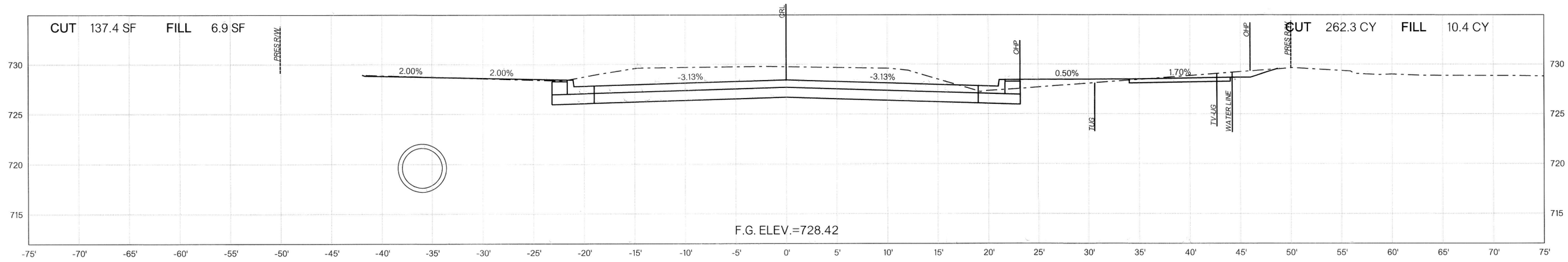
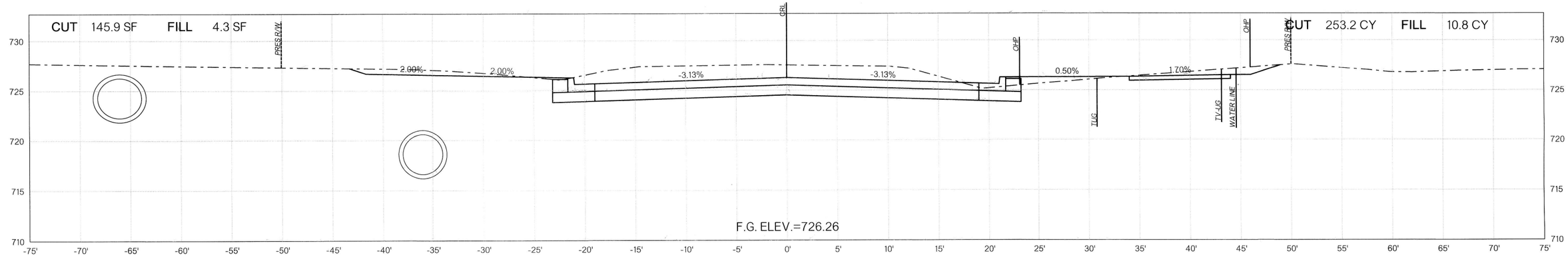
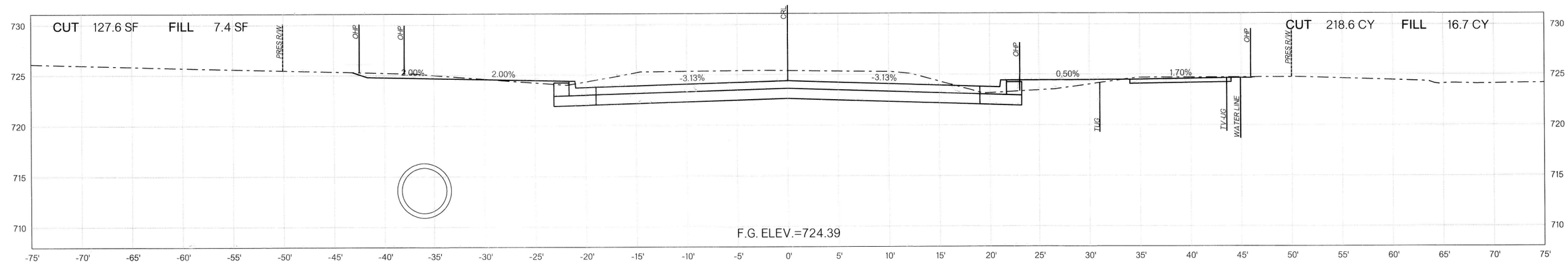


142+50.00



142+00.00



141+50.00

CROSS SECTION

144105, 2036W0001Z & 2036A0024Z
PROJECT NO.

SHEET NO. XS18

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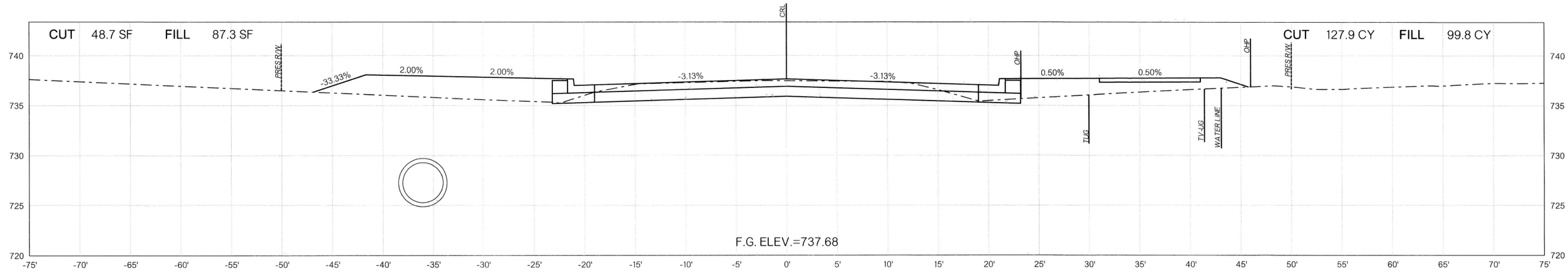
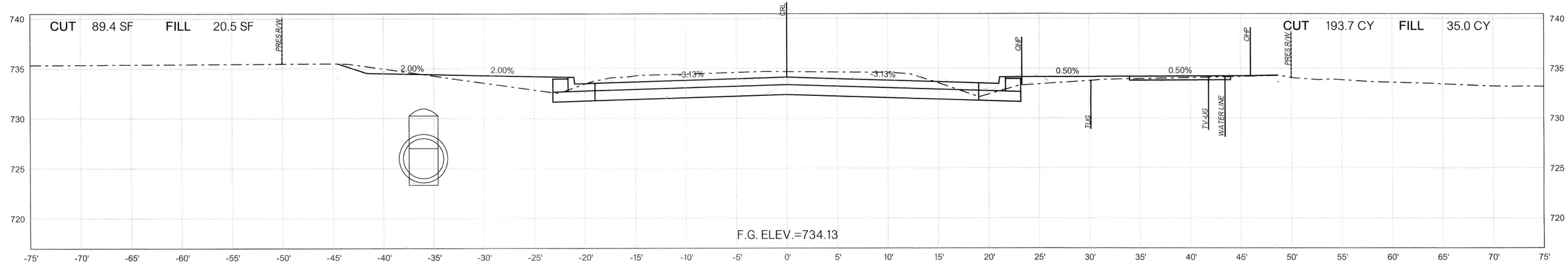
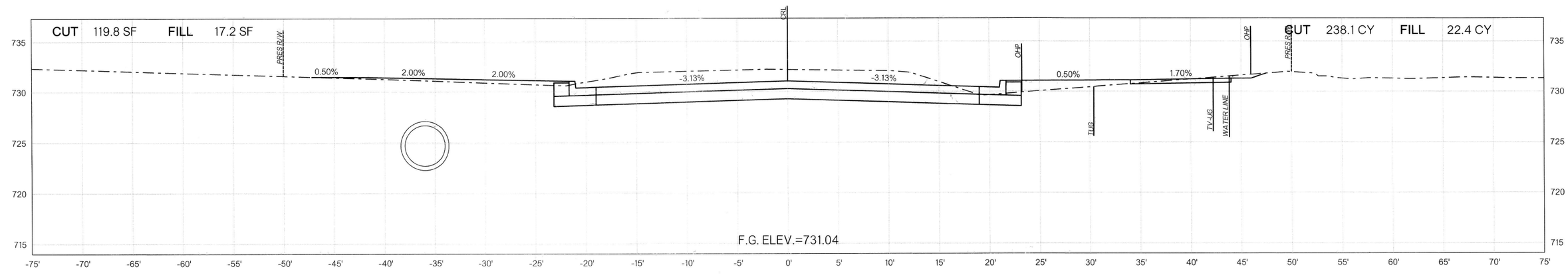


144+00.00



143+50.00



143+00.00

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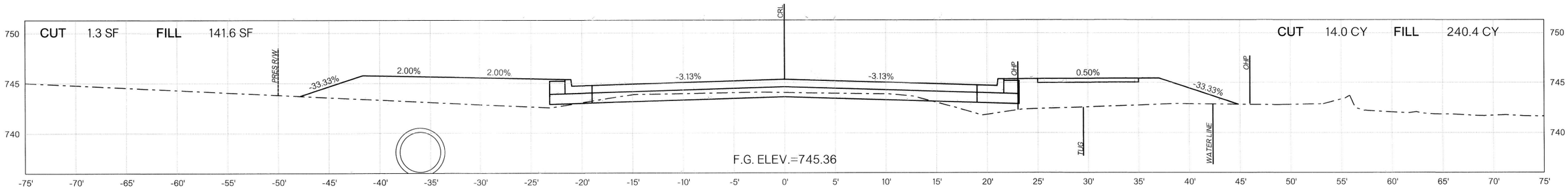
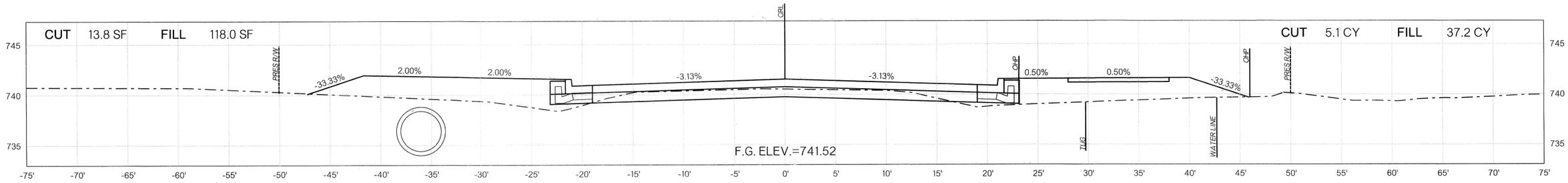
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS19



145+00.00



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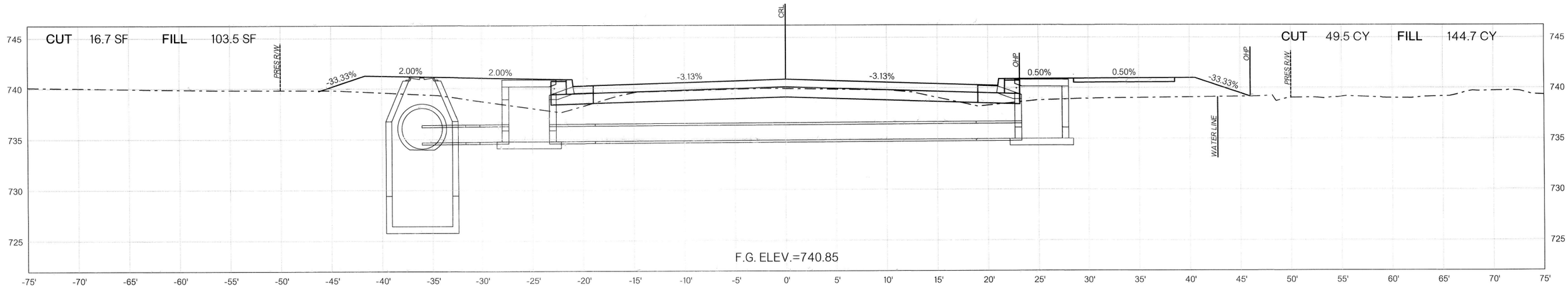

144+41.32

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS20

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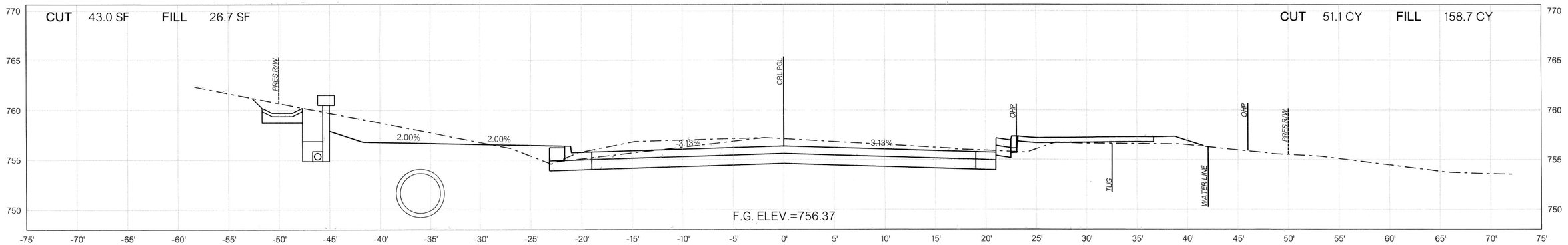
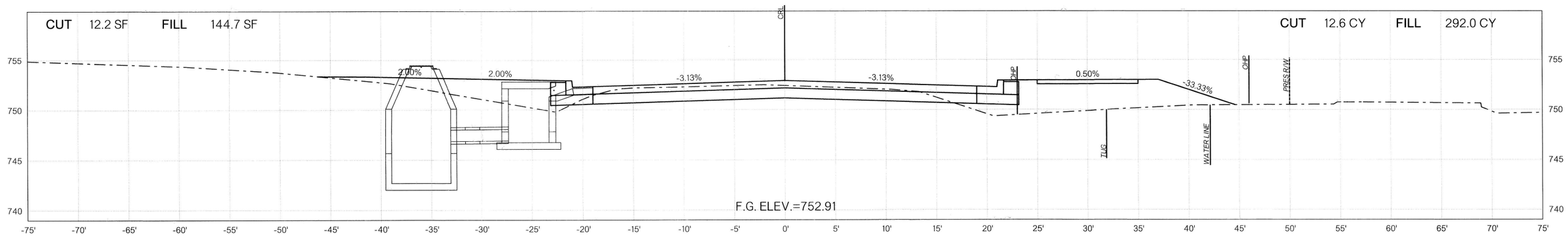
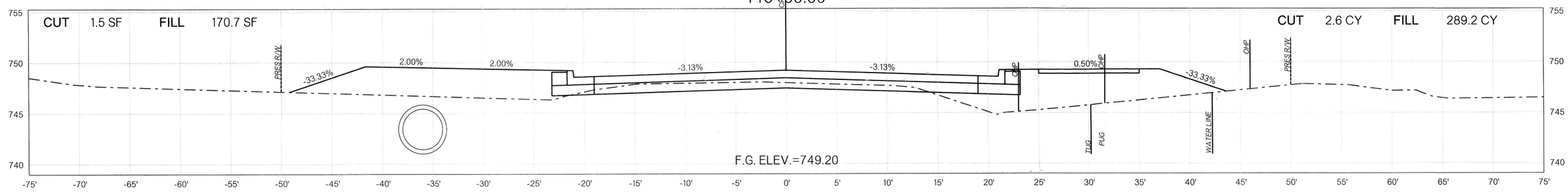


146+50.00



146+00.00



145+50.00

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS21

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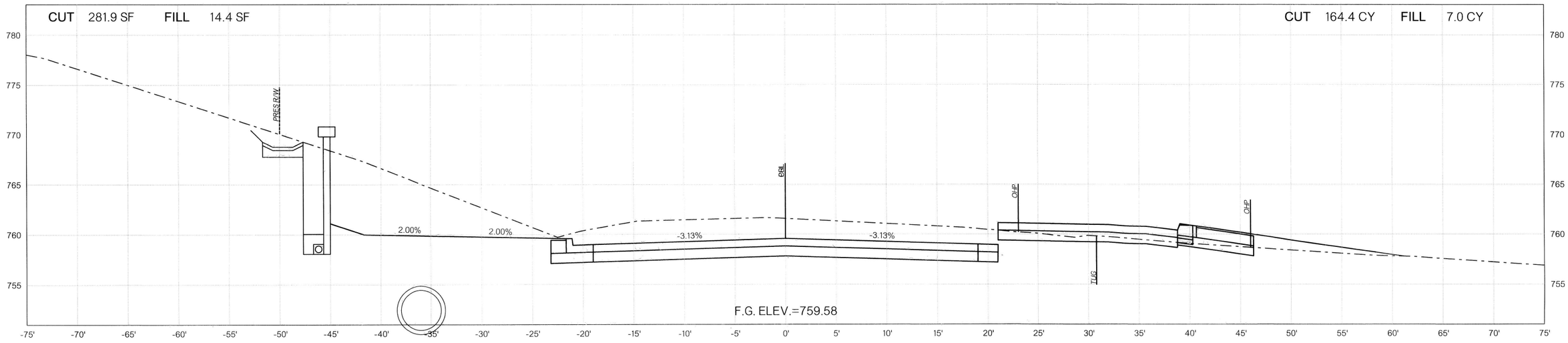
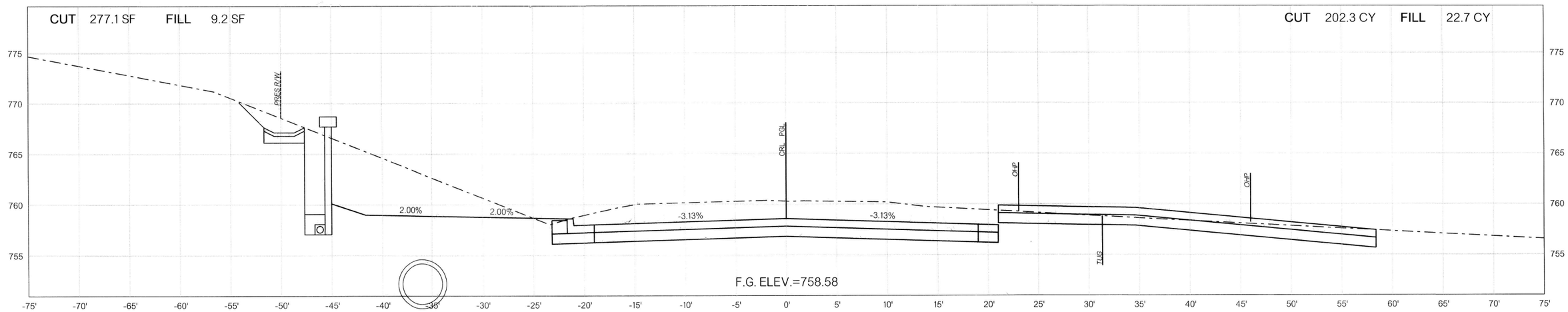
6/19/2025



147+00.00



146+84.12

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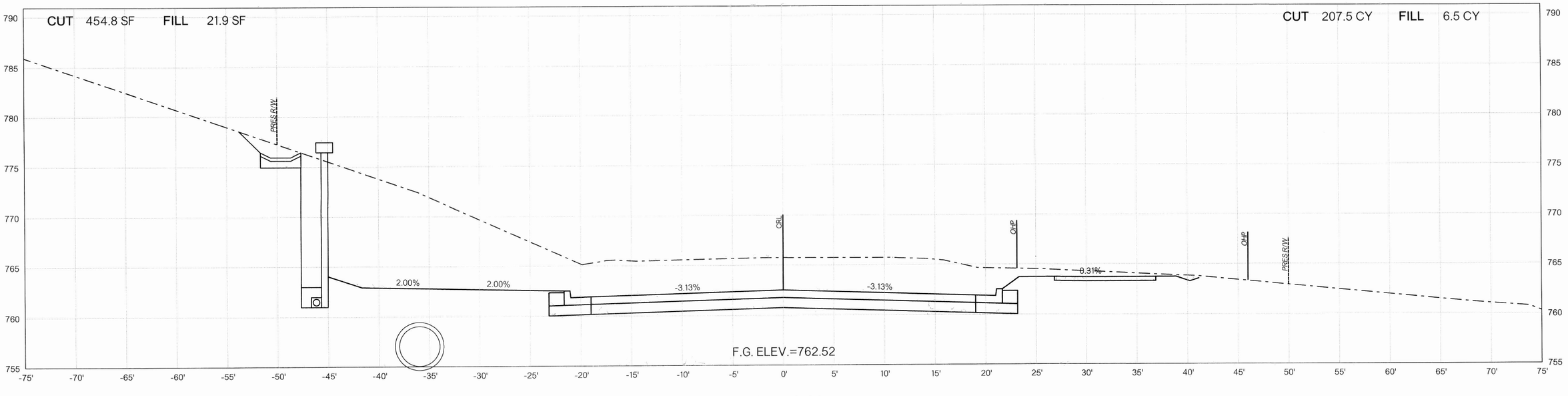
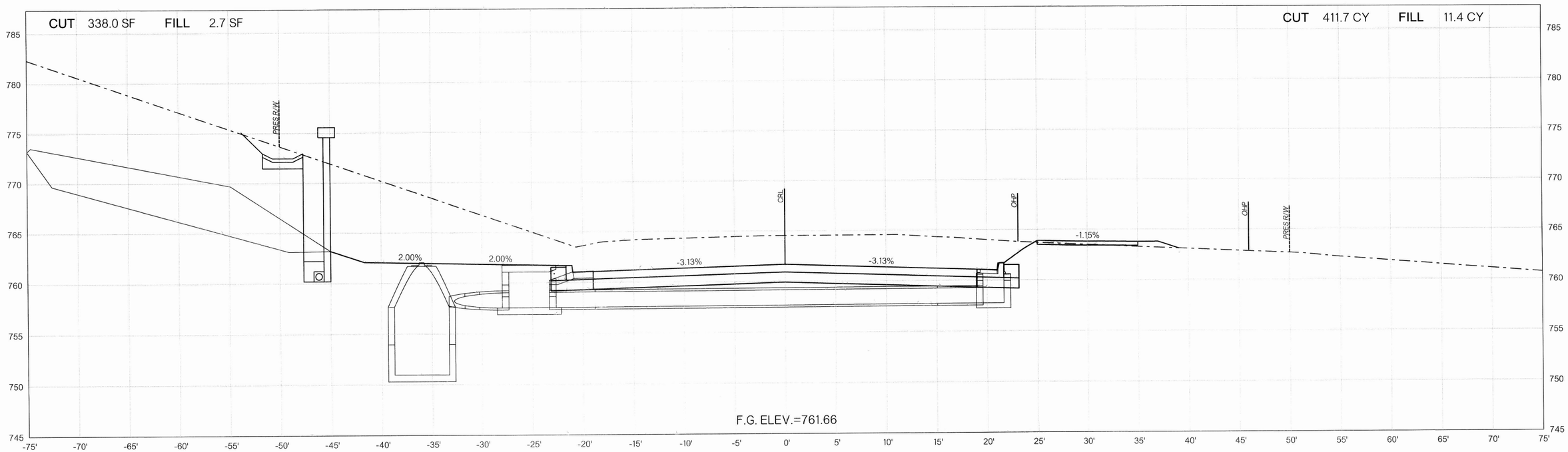
CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS22



147+50.00



147+34.91

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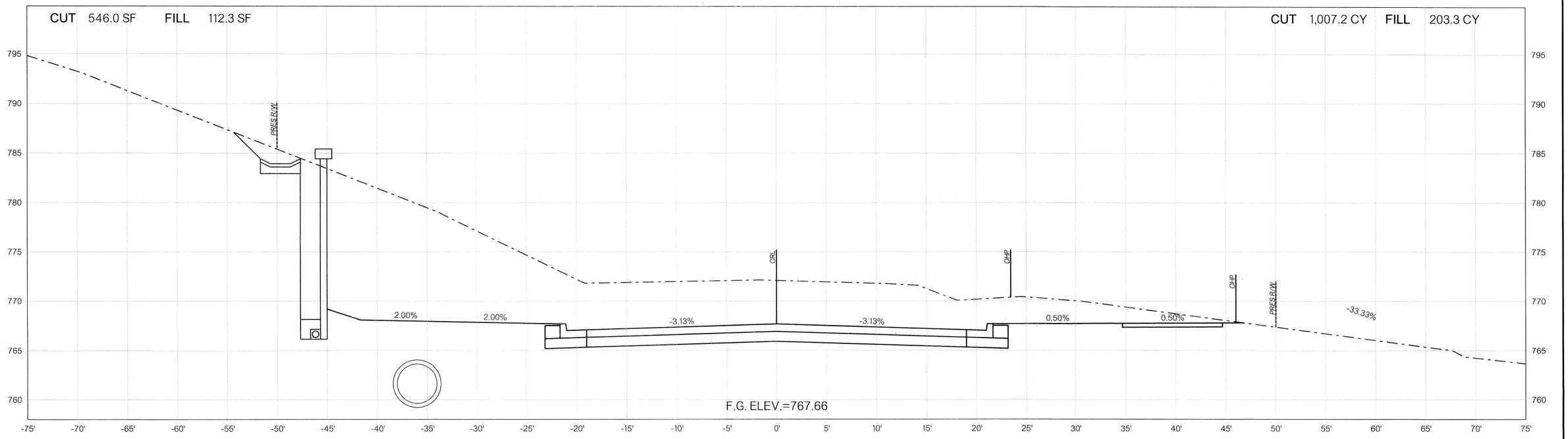
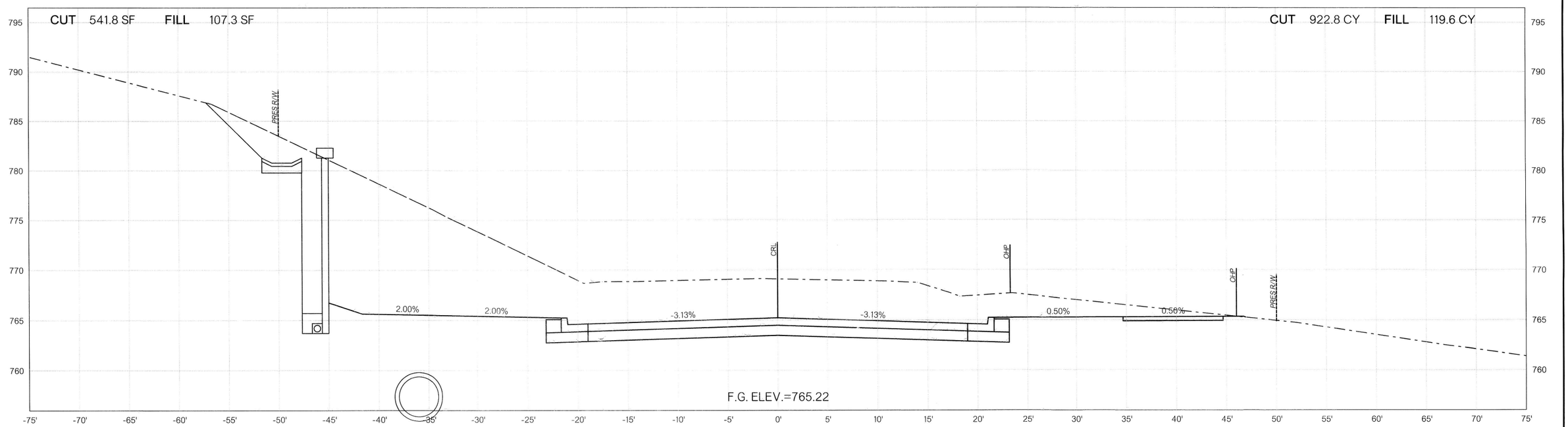
6/19/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS23



148+50.00



148+00.00

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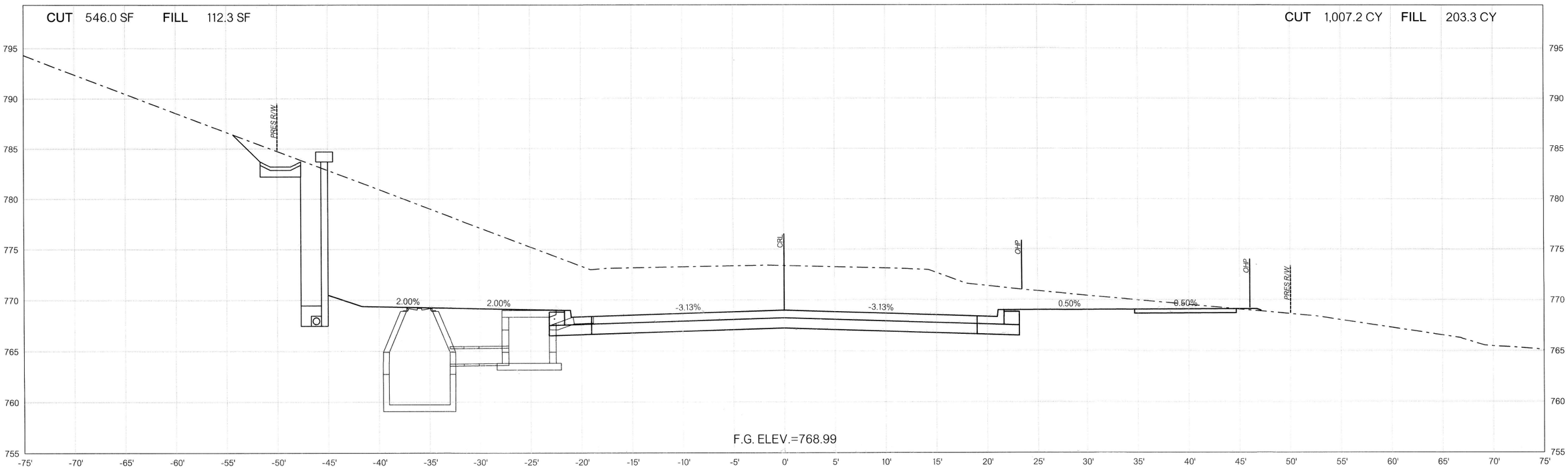
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS24



148+79.46

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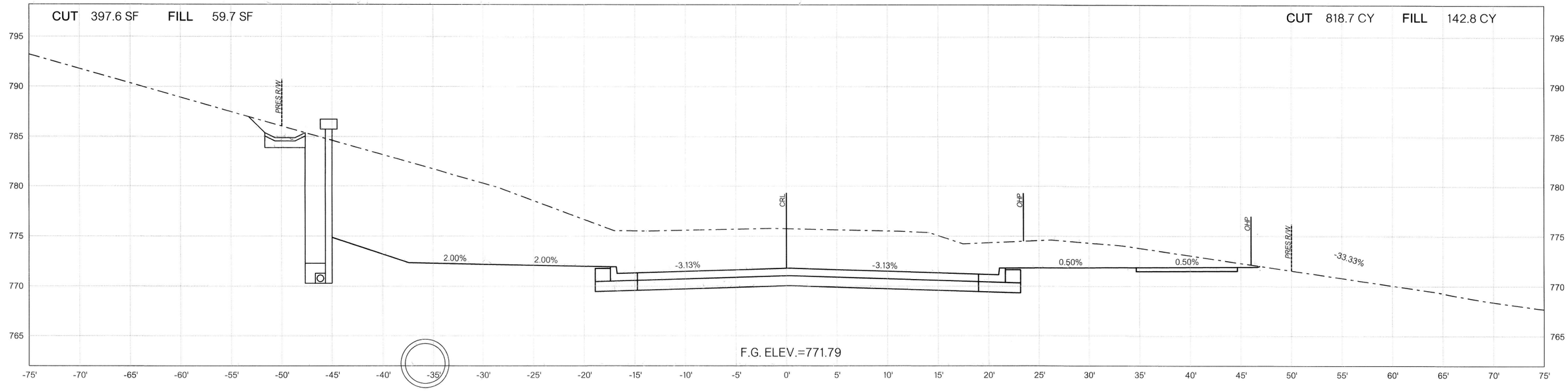
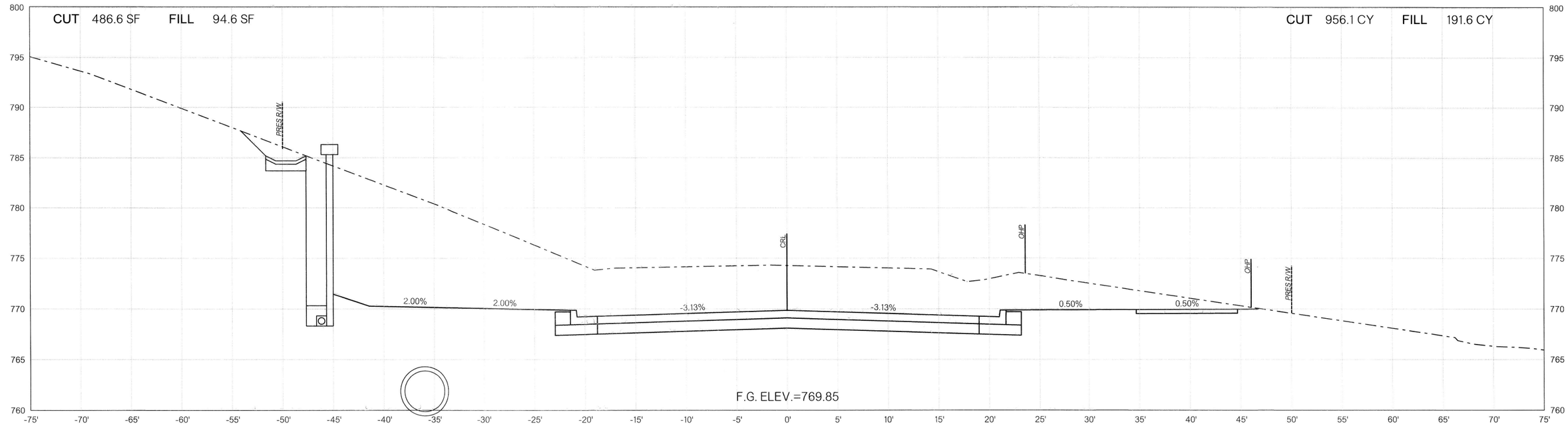
6/19/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS25



149+50.00



149+00.00

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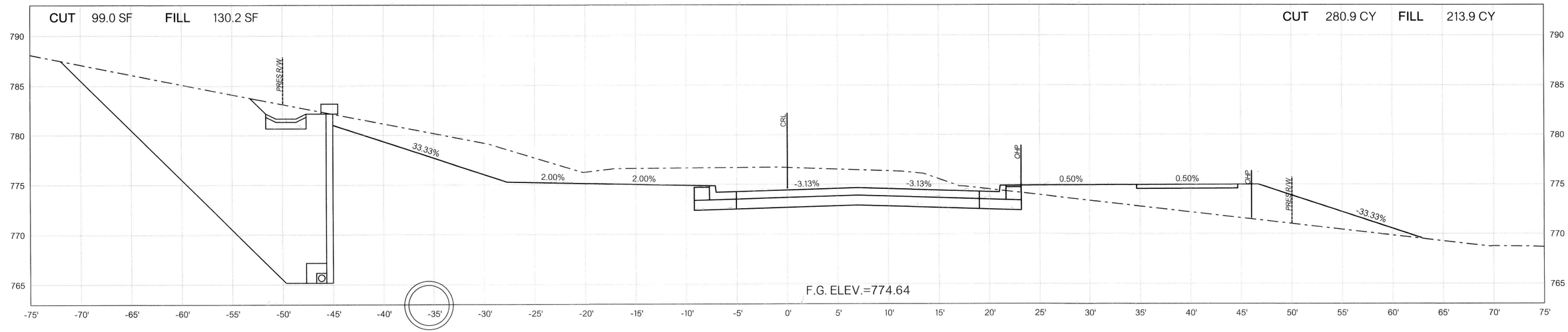
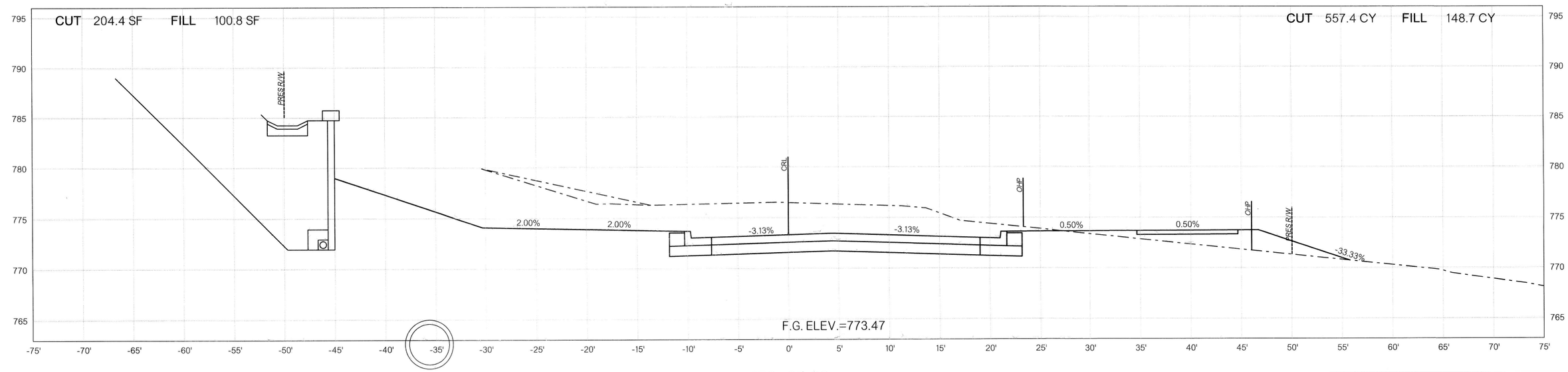
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS26



150+50.00



150+00.00

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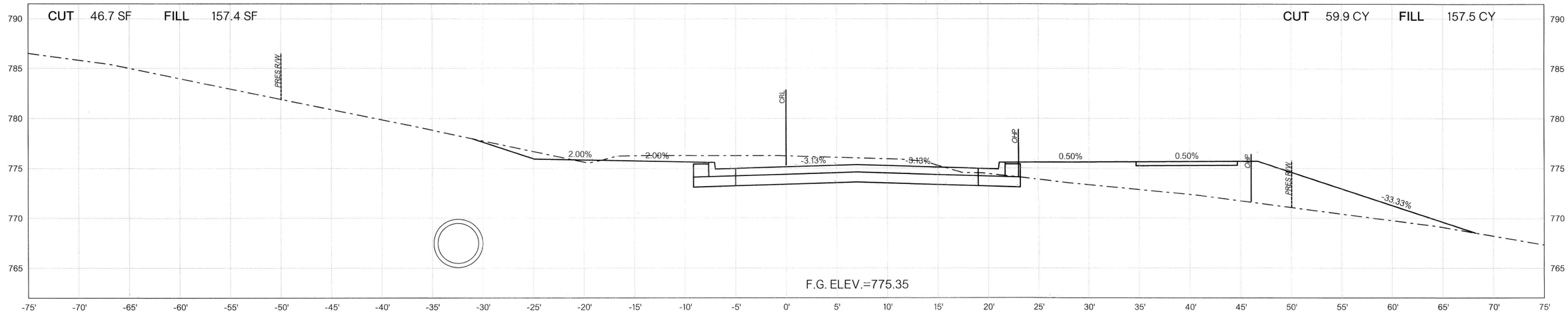
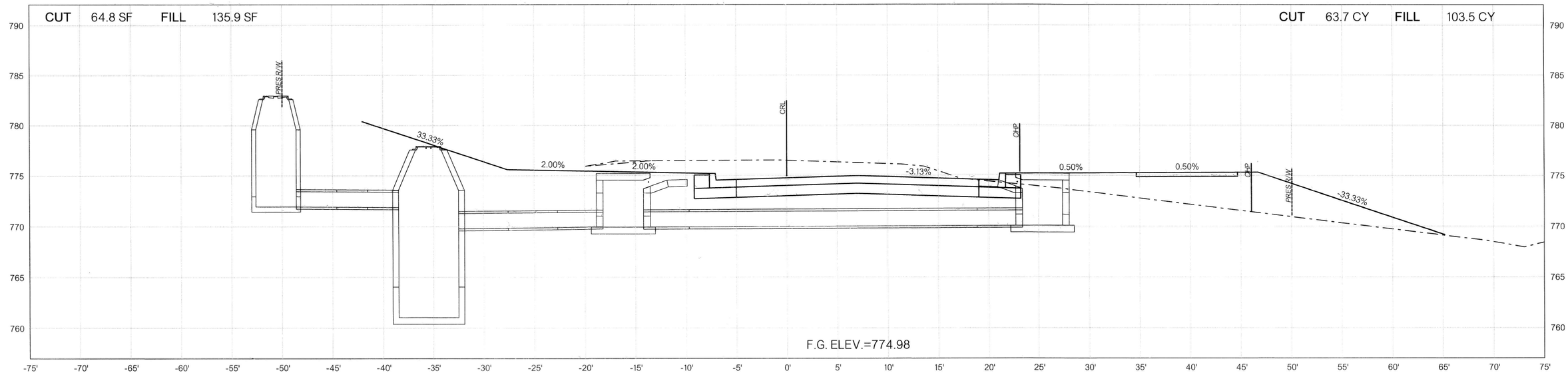
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS27



151+00.00



150+71.05

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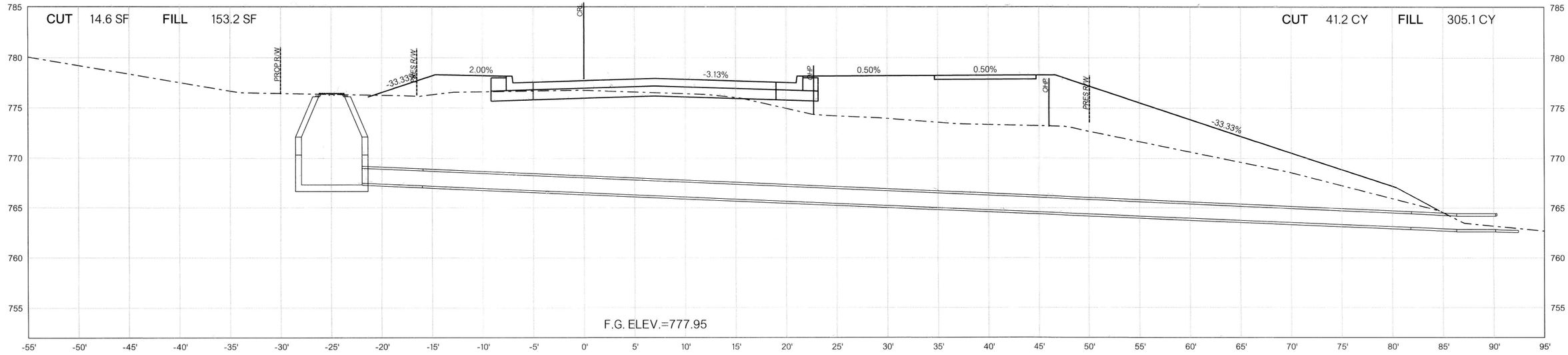
6/19/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS28



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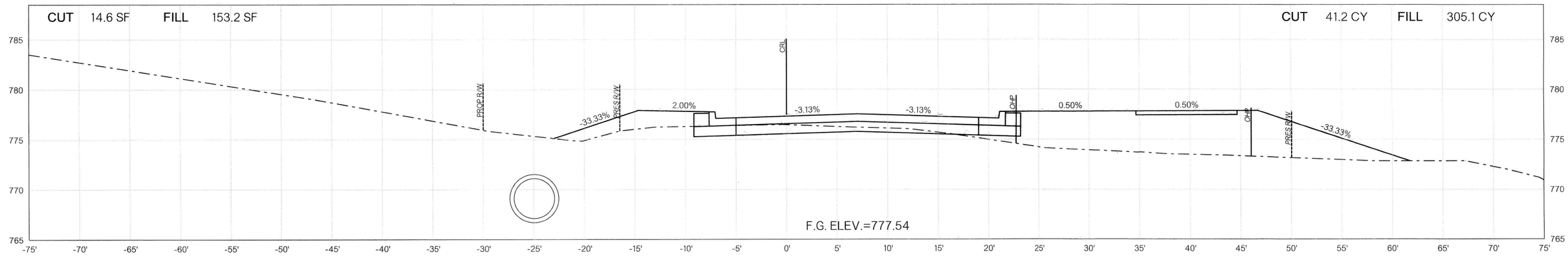

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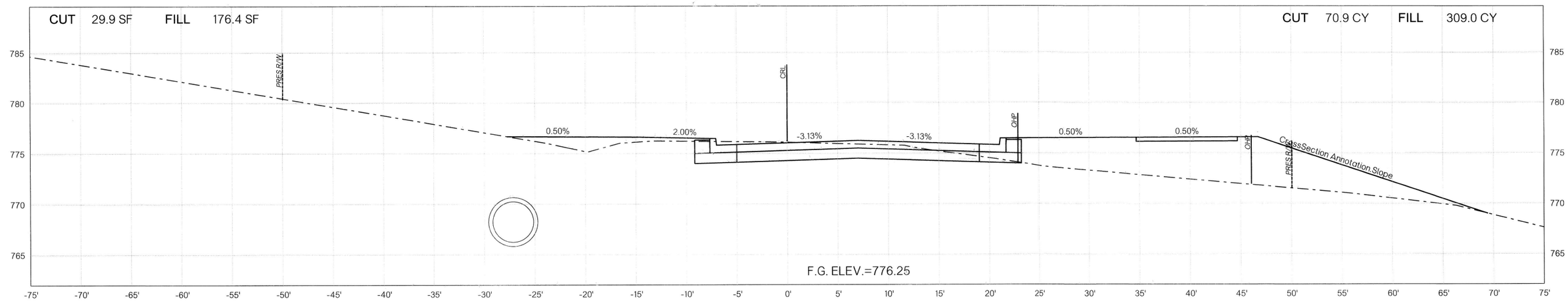

151+50.00

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS29

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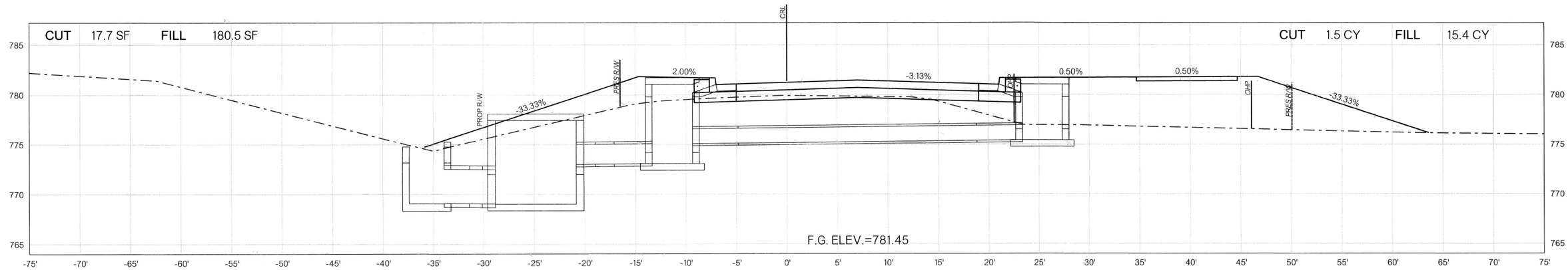
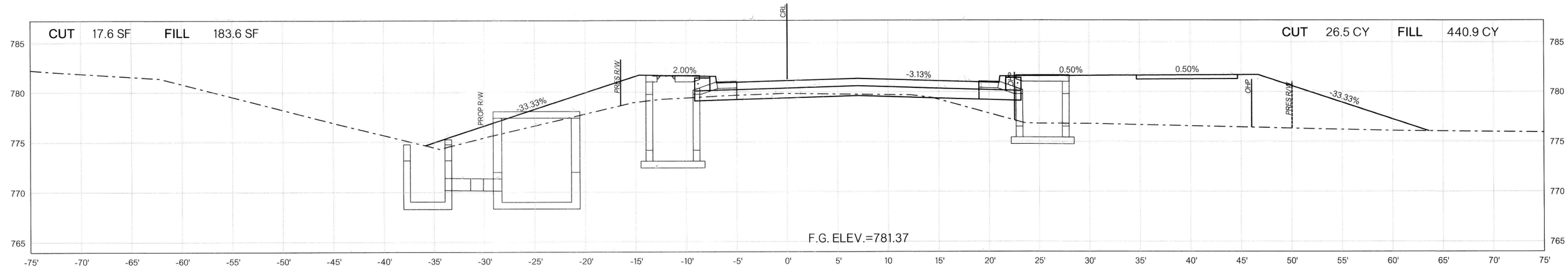
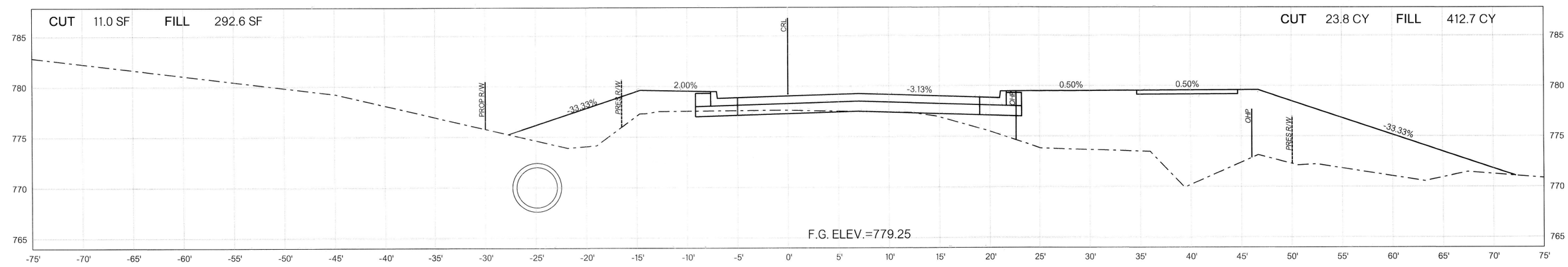
6/19/2025



153+01.77



153+00.00



152+50.00

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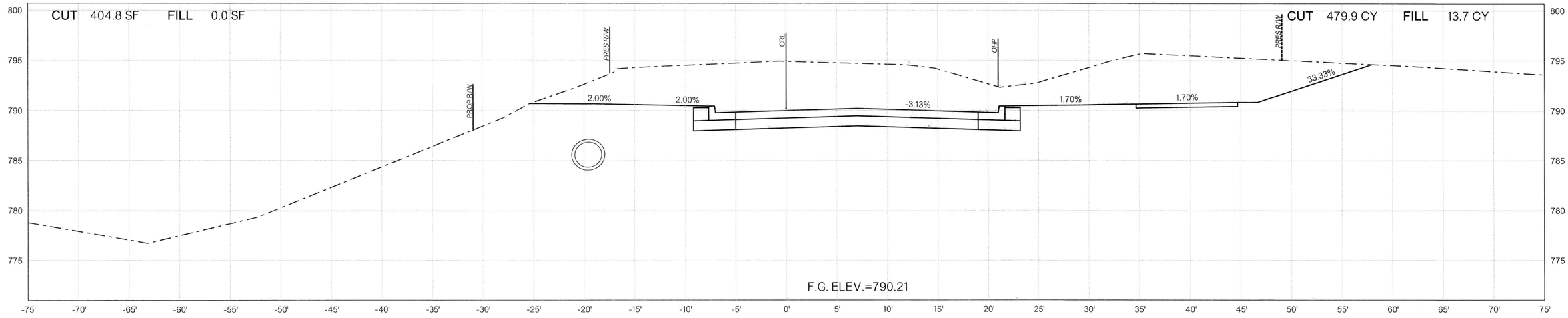
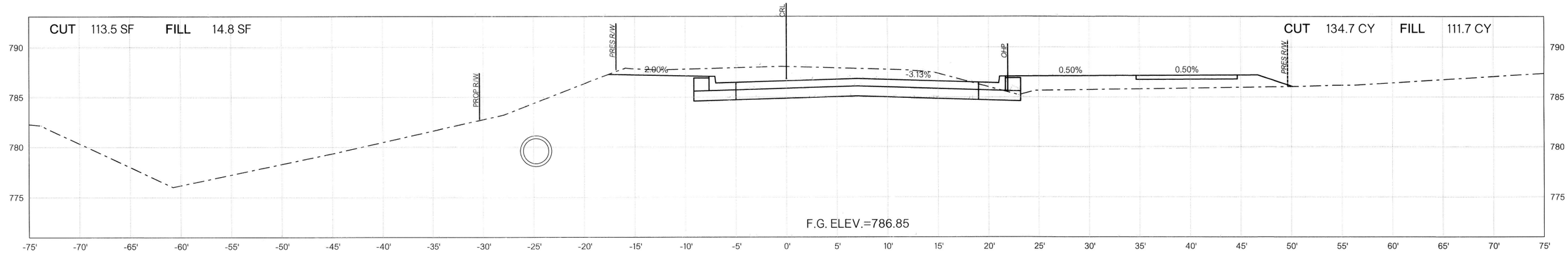
6/19/2025

CROSS SECTION

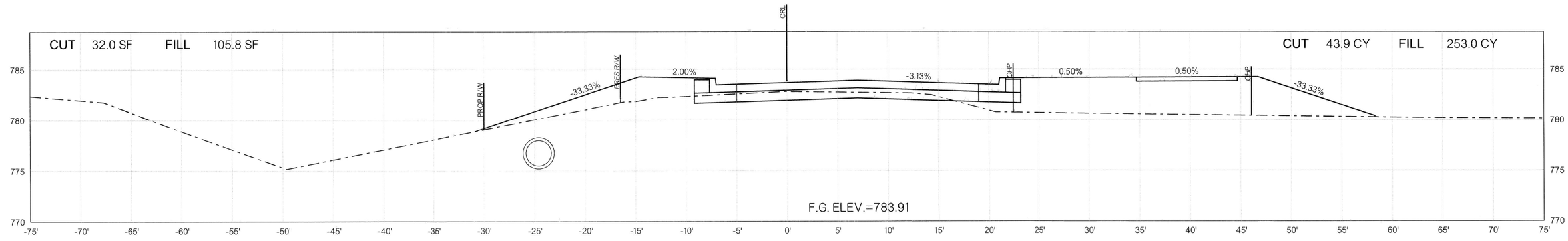
144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS30



154+50.00



154+00.00



153+50.00

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS31

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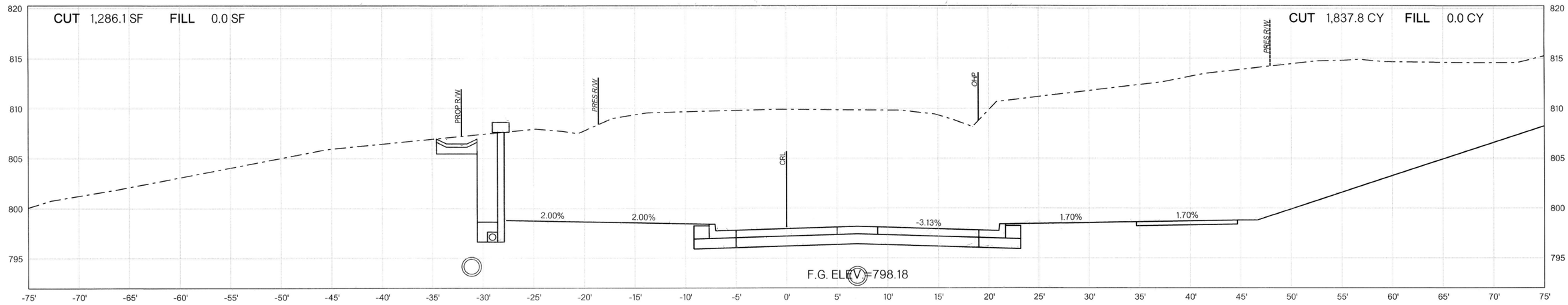
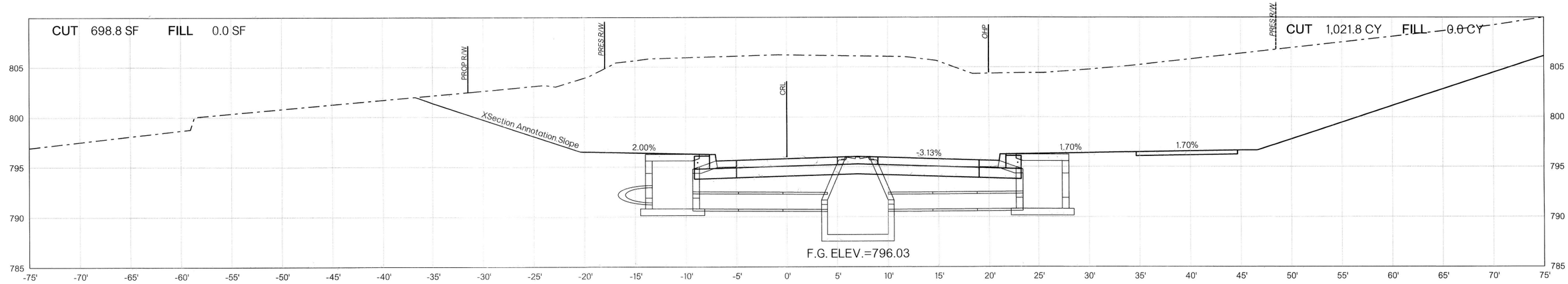
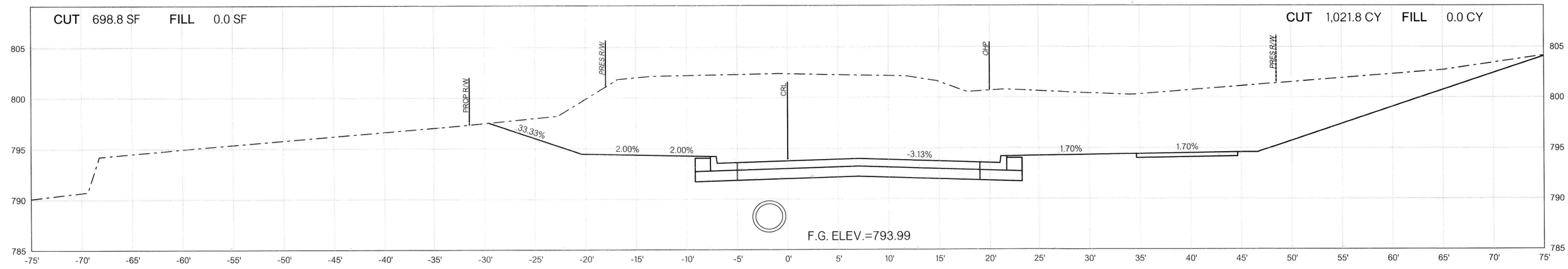
5/30/2025



155+50.00



155+24.98



155+00.00

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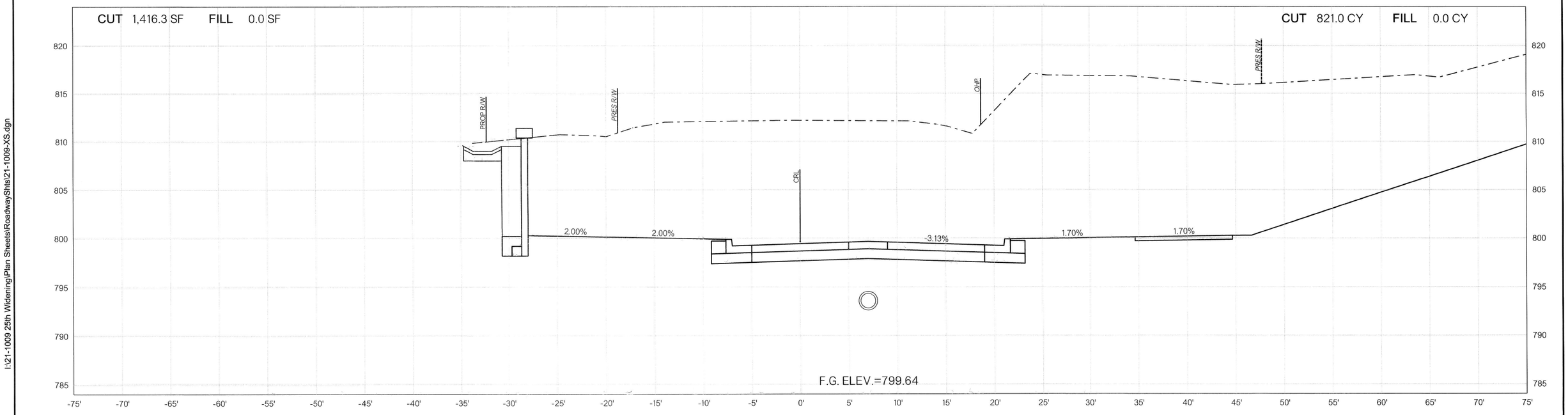
6/19/2025

CROSS SECTION

144105, 2036W0001Z & 2036A0024Z
PROJECT NO.

SHEET NO. XS32



155+66.41

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS33

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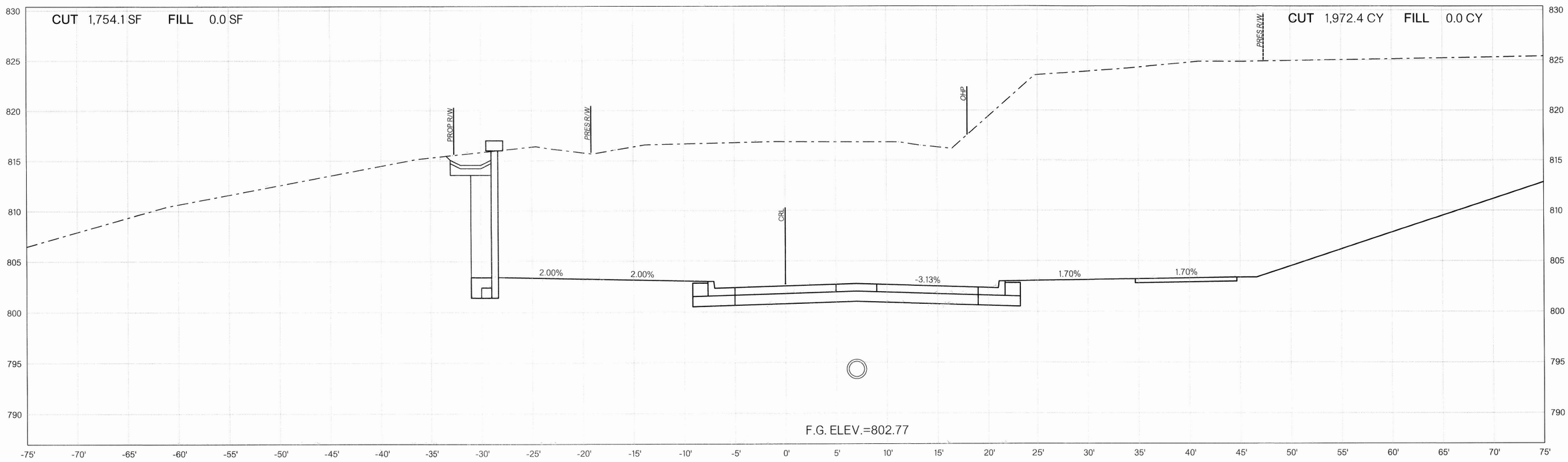
5/30/2025



156+00.00

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS34

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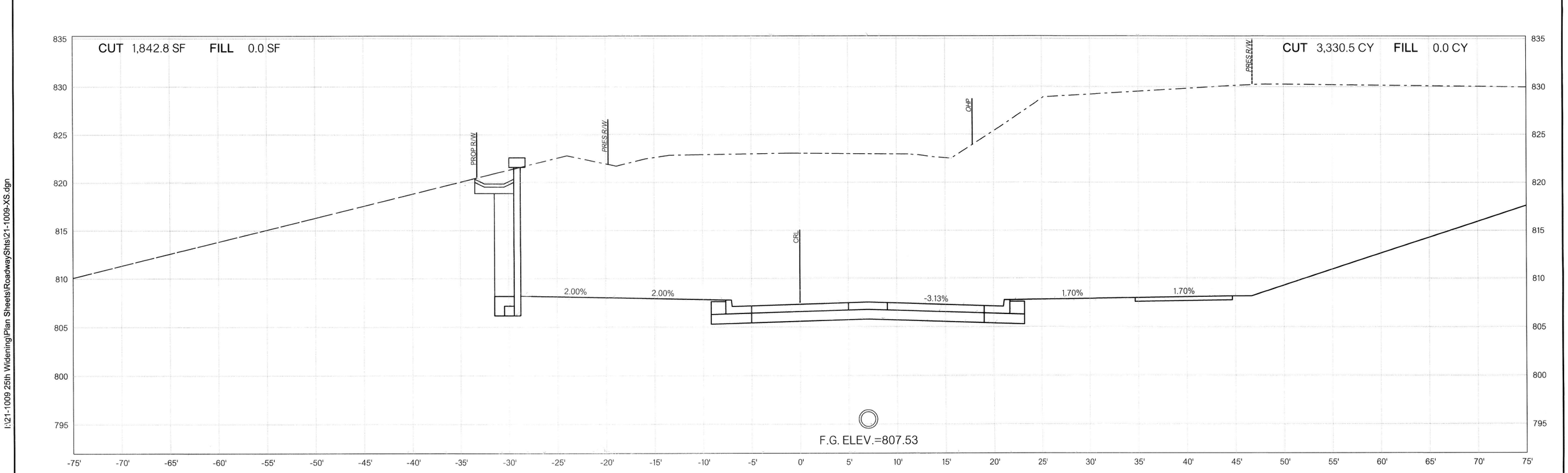
5/30/2025



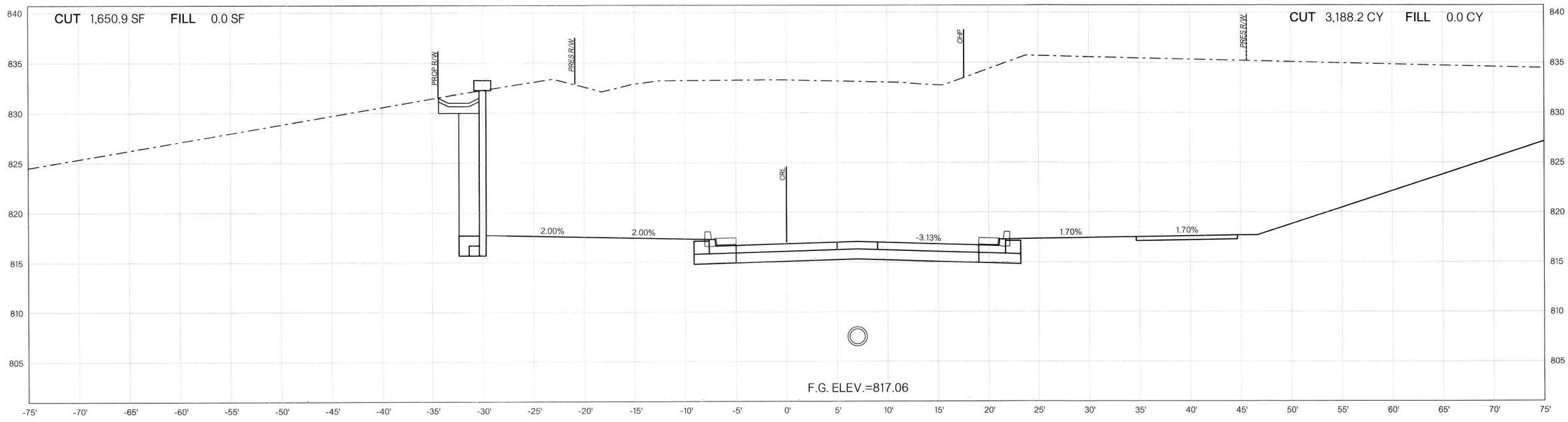
156+50.00

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-XS.dgn

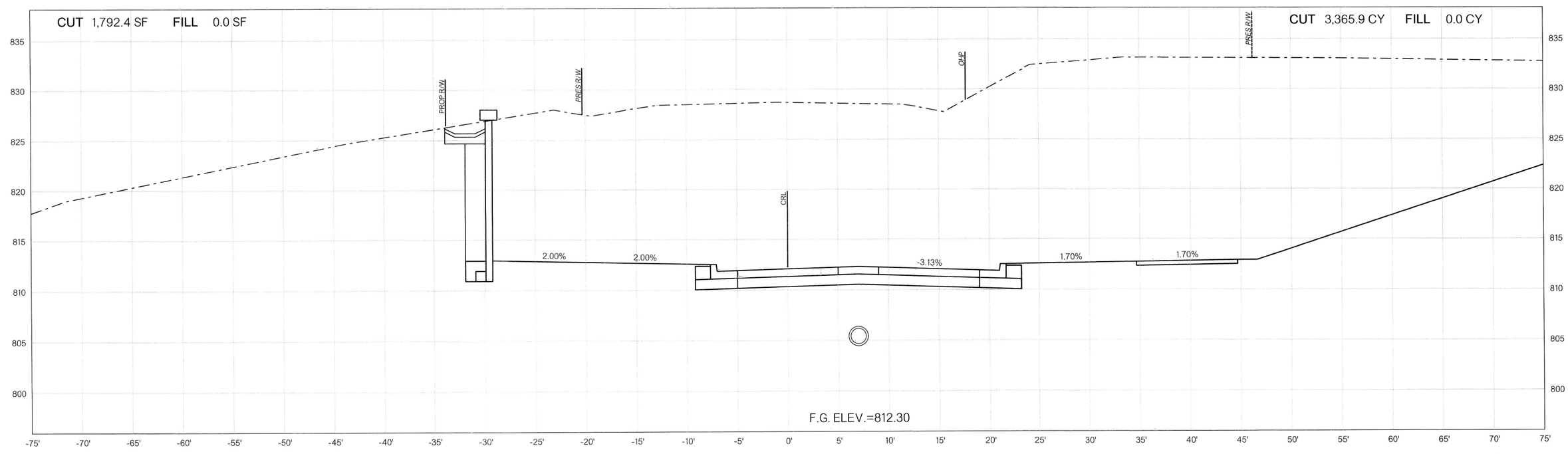
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS35



157+50.00



157+00.00

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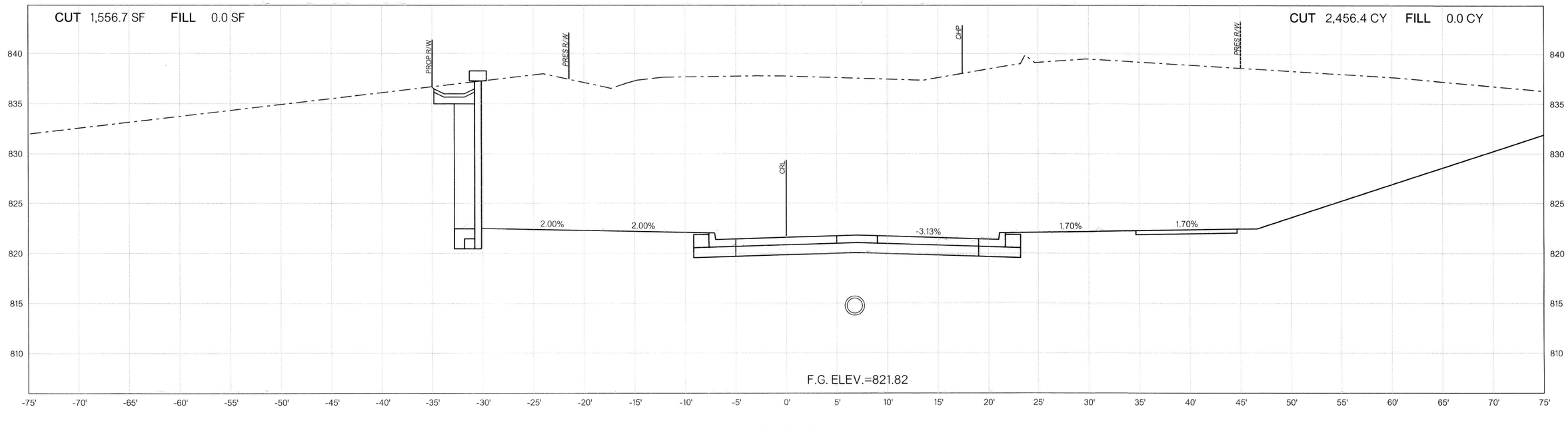
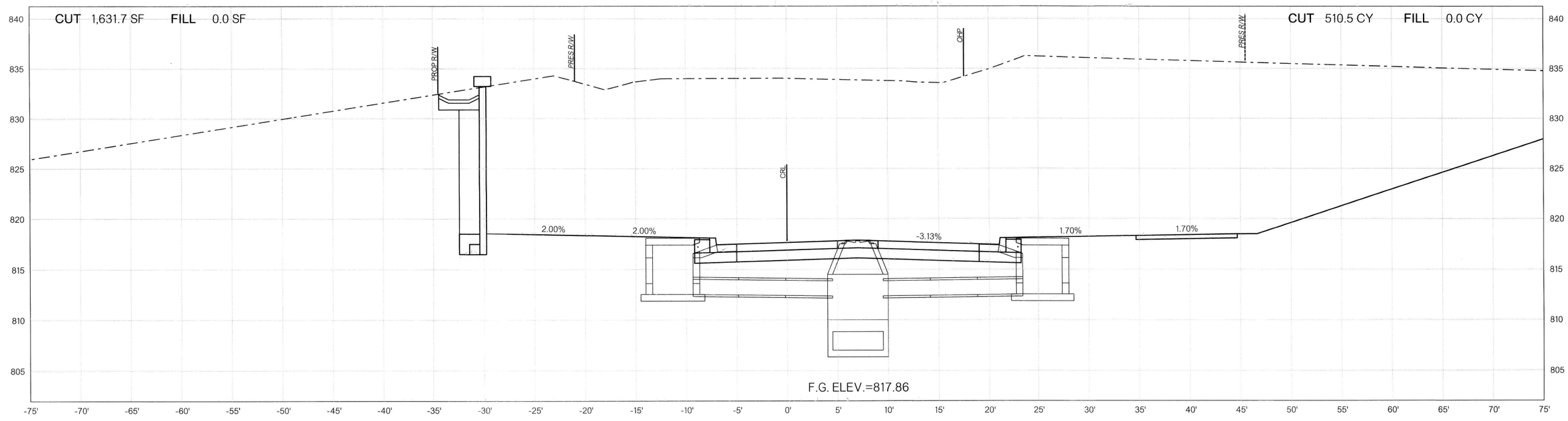
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS36



158+00.00



157+58.40

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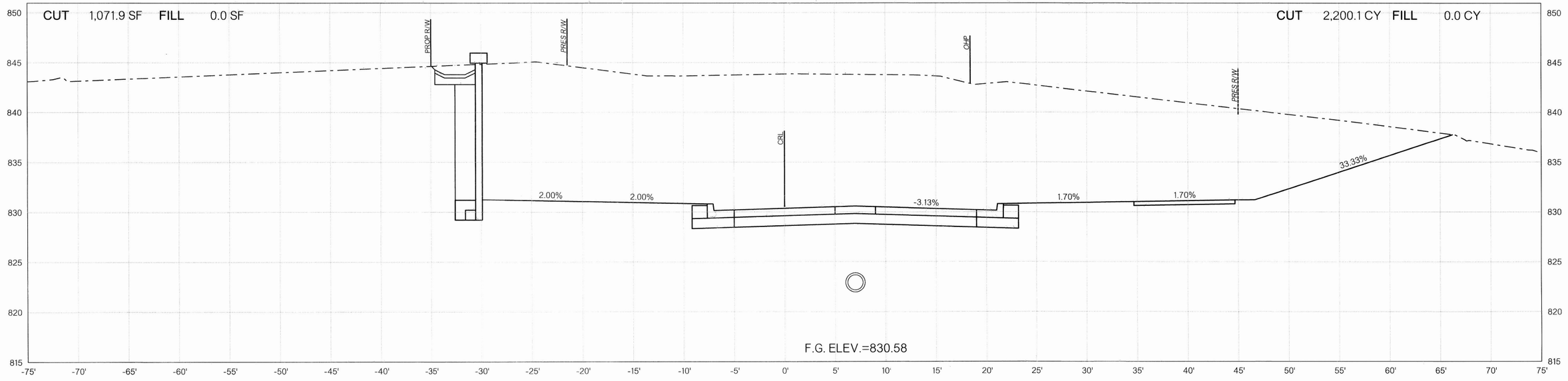
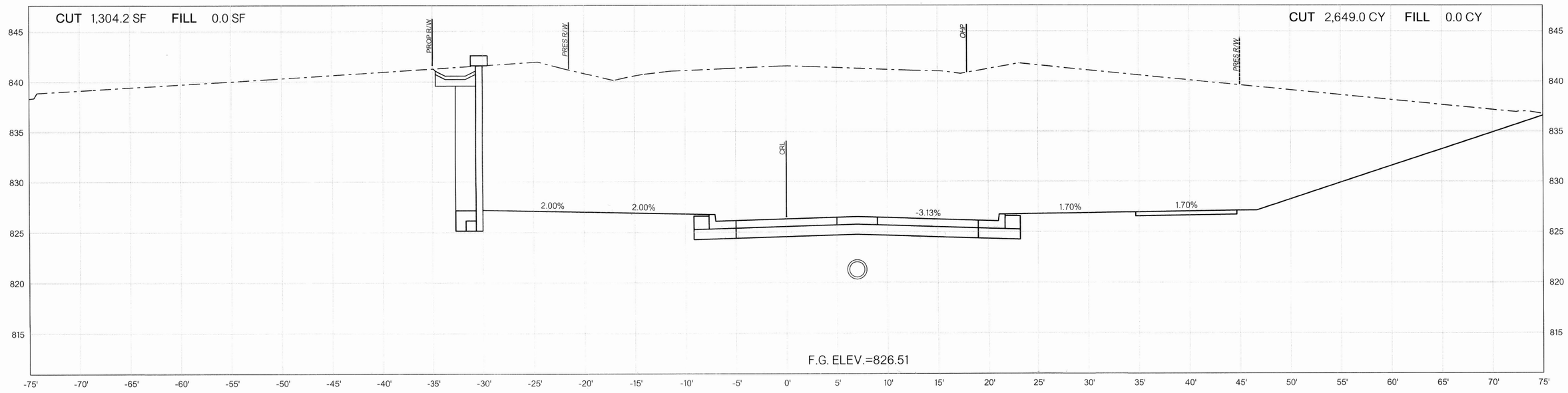
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS37



159+00.00



158+50.00

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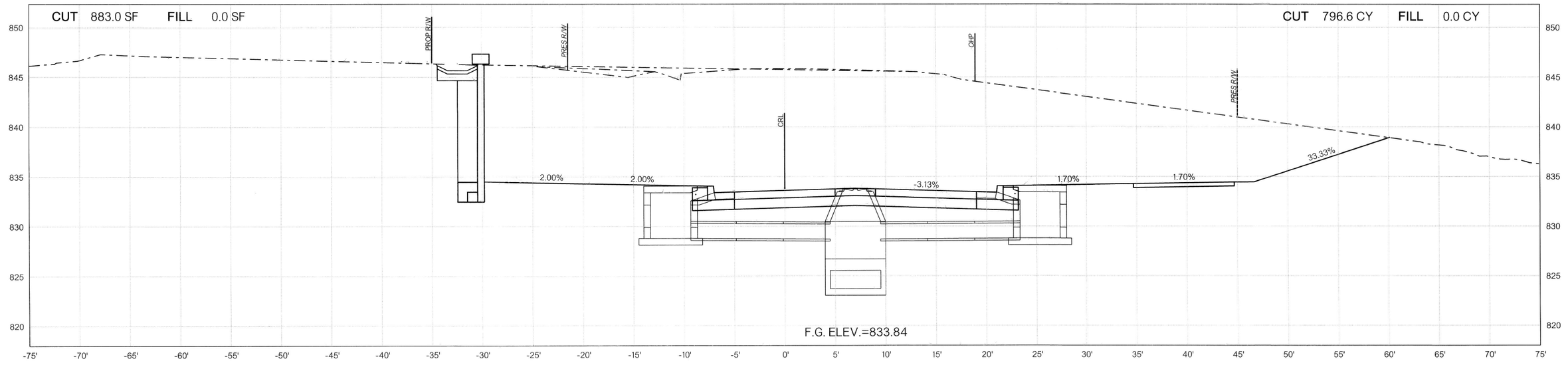
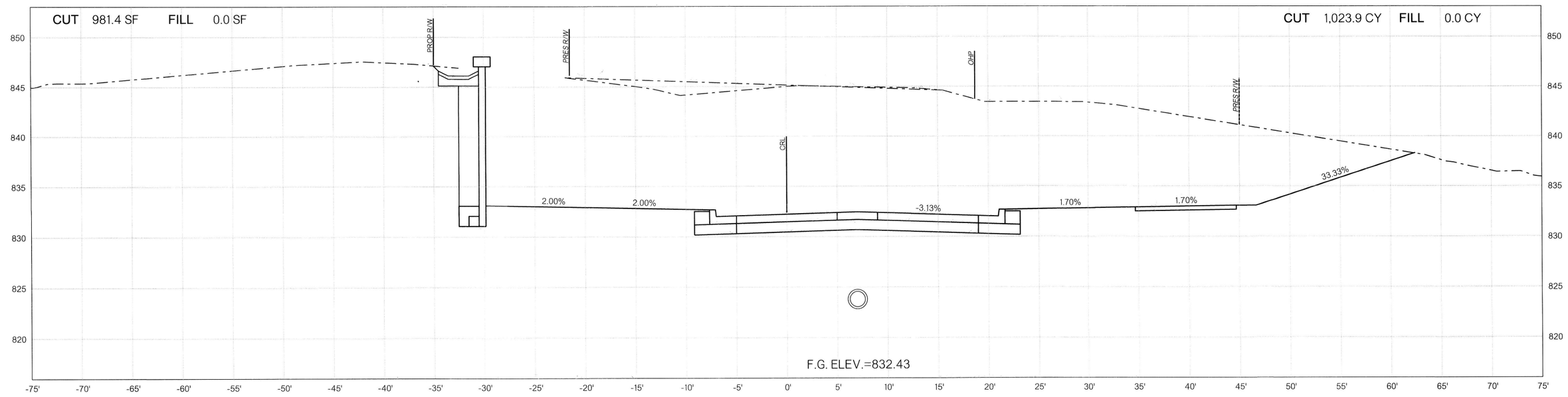
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS38



159+50.00



159+26.93

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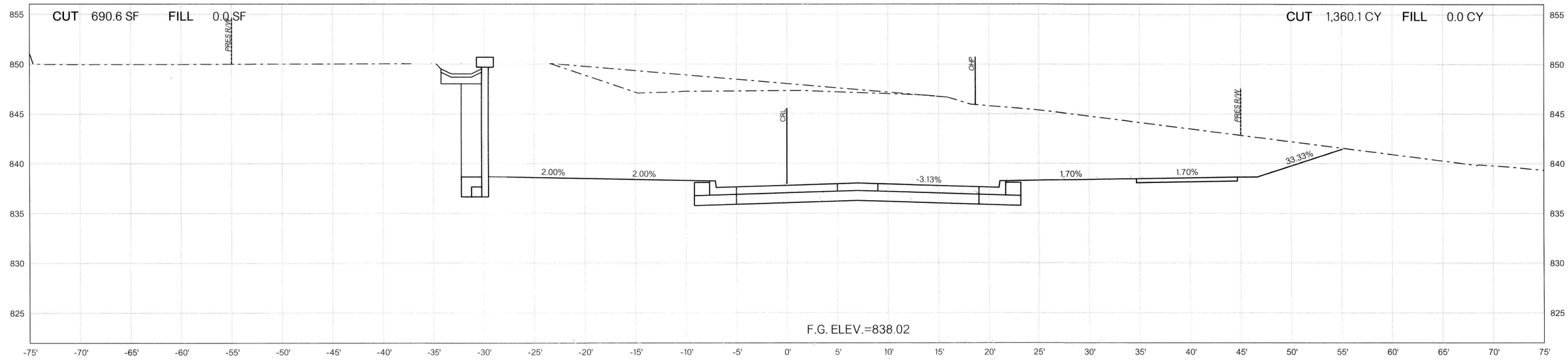
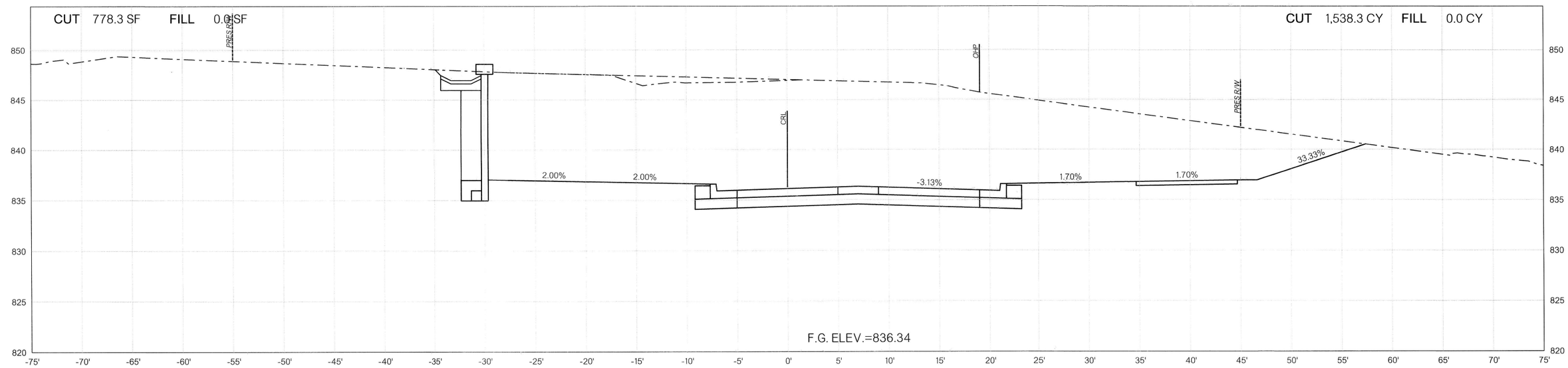
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS39



160+50.00



160+00.00

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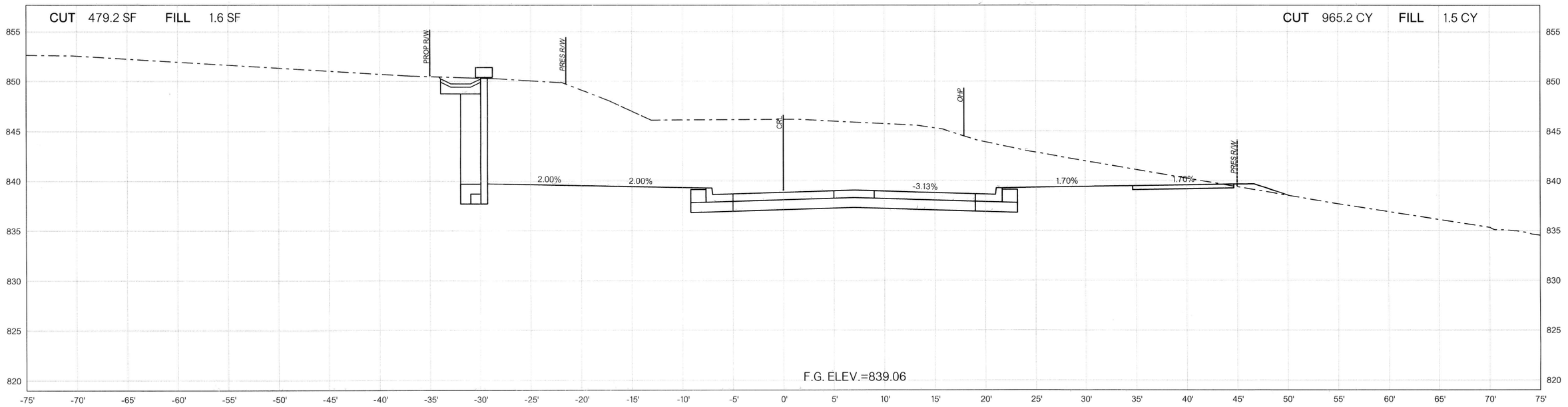
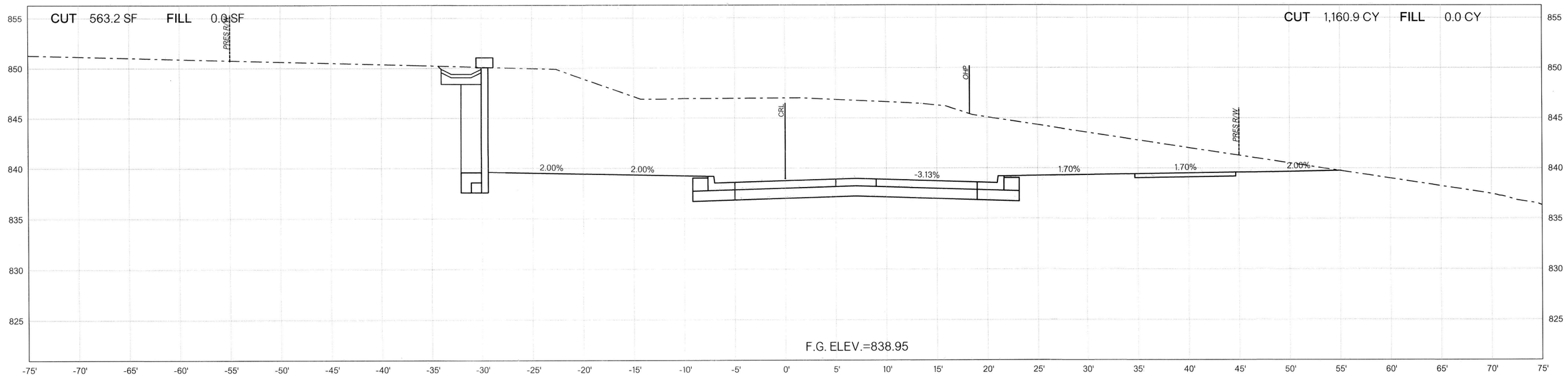
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS40



161+50.00



161+00.00

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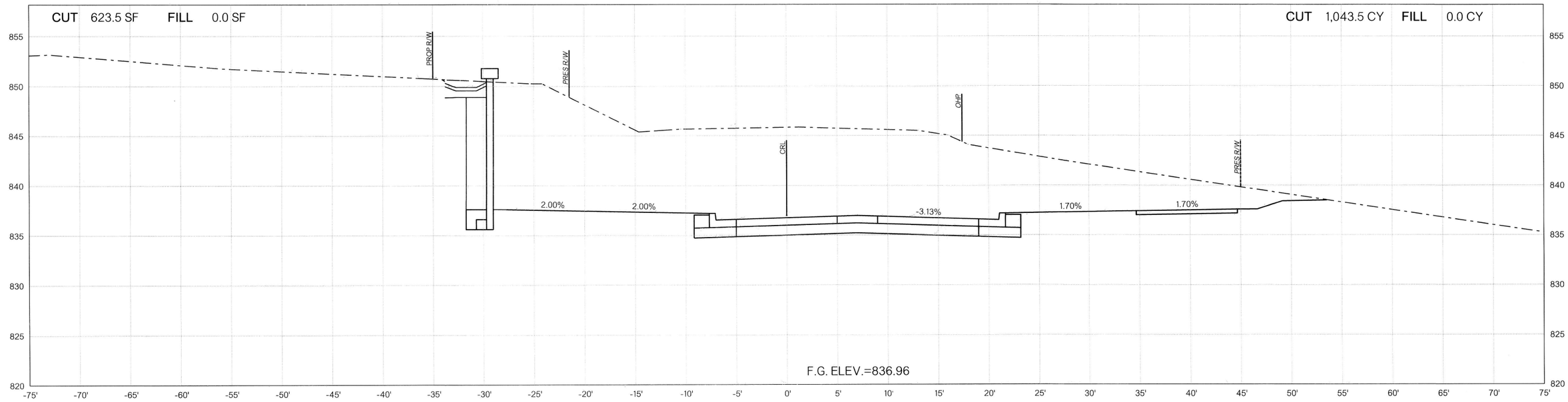
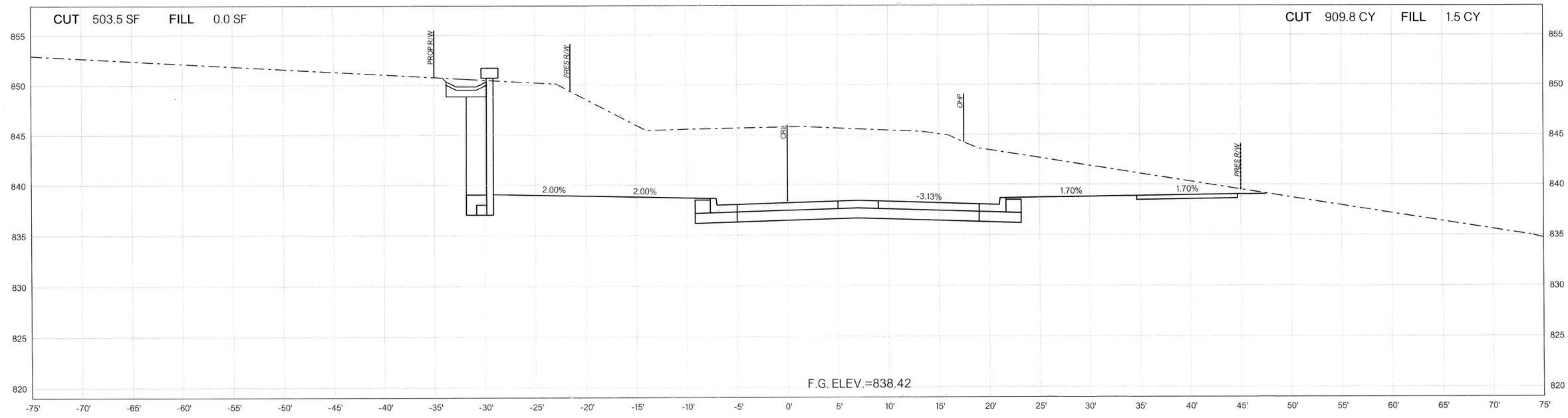
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS41



162+50.00



162+00.00

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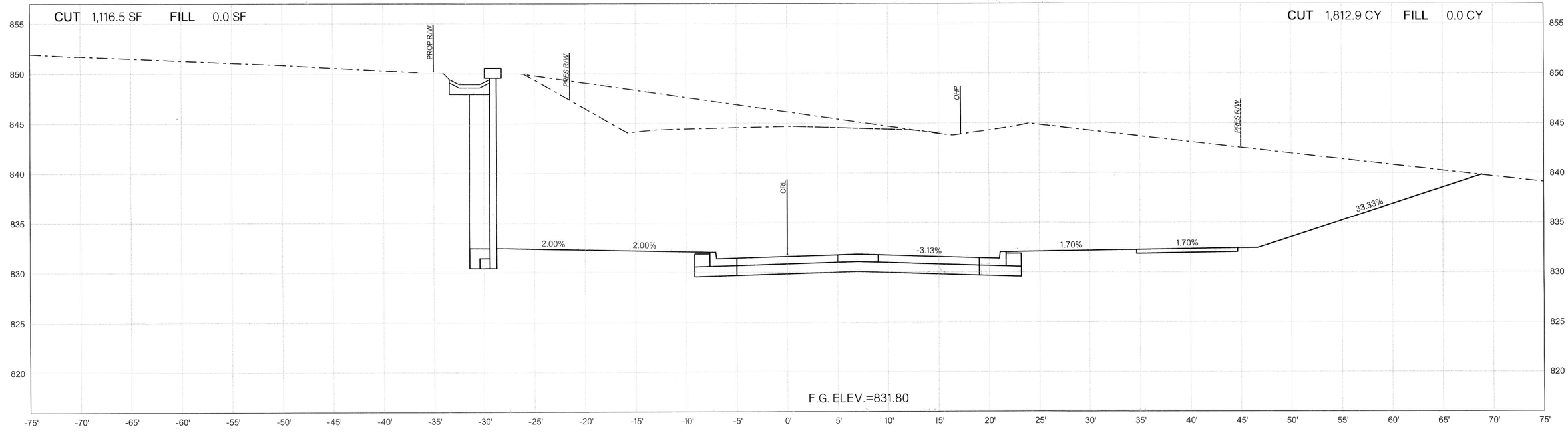
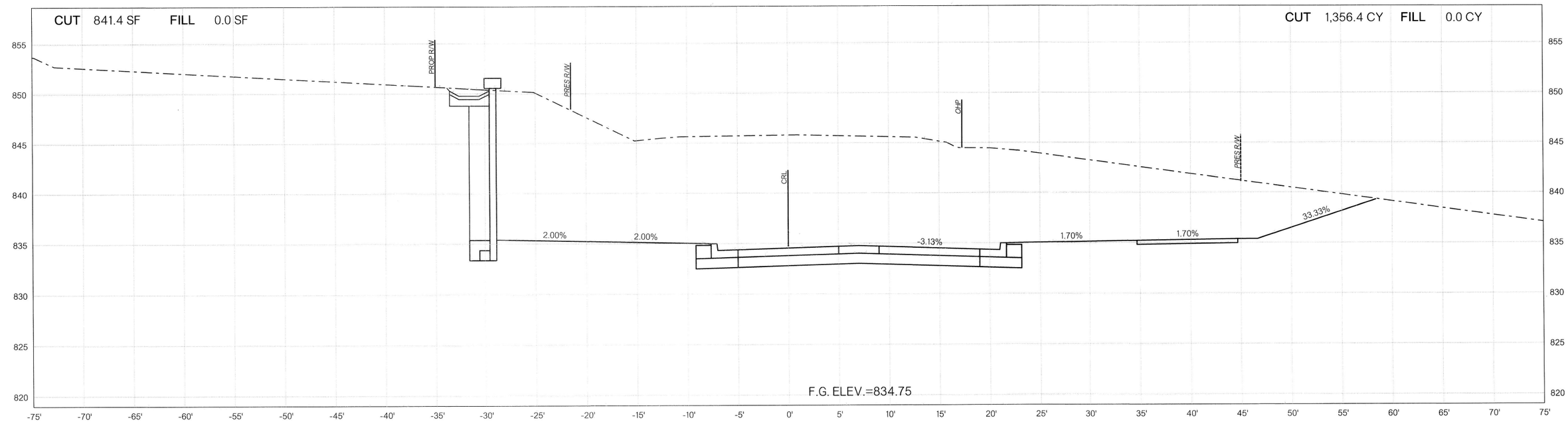
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS42



163+50.00



163+00.00

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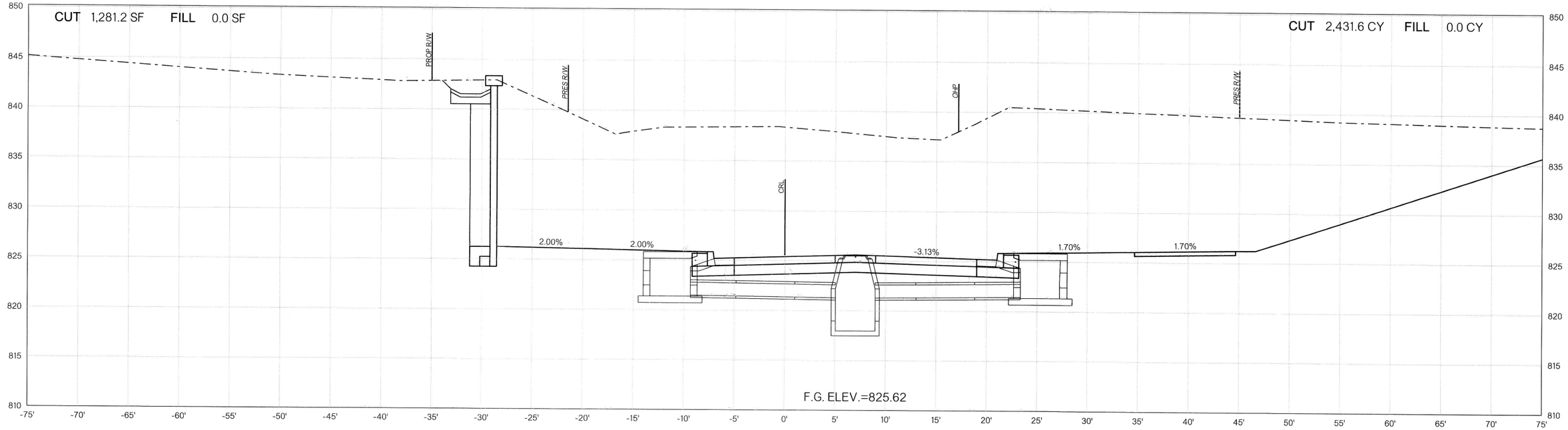
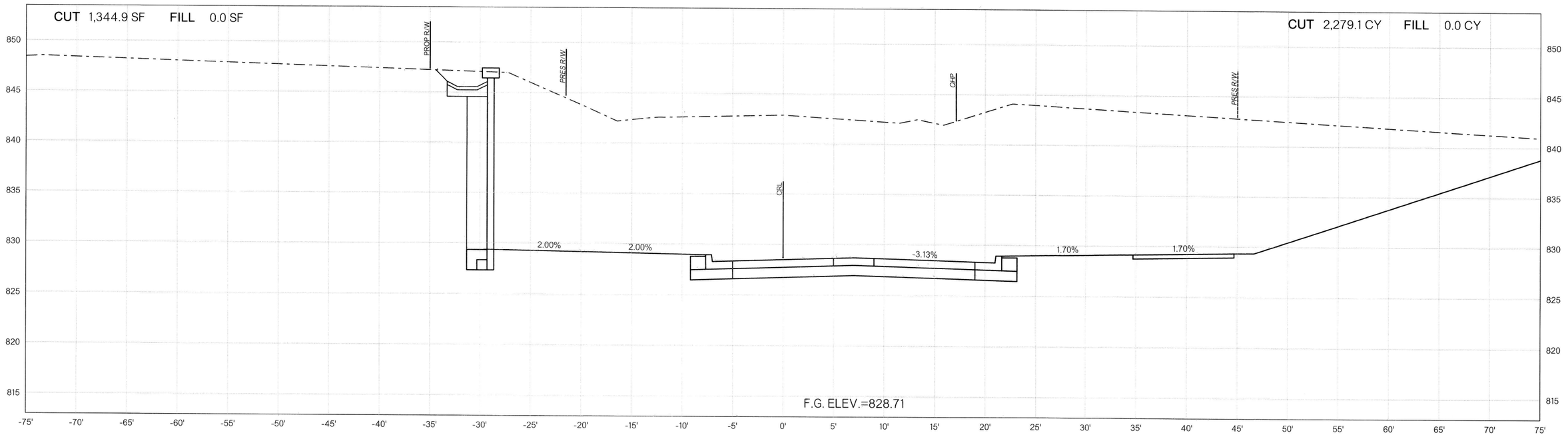
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS43



164+50.00



164+00.00

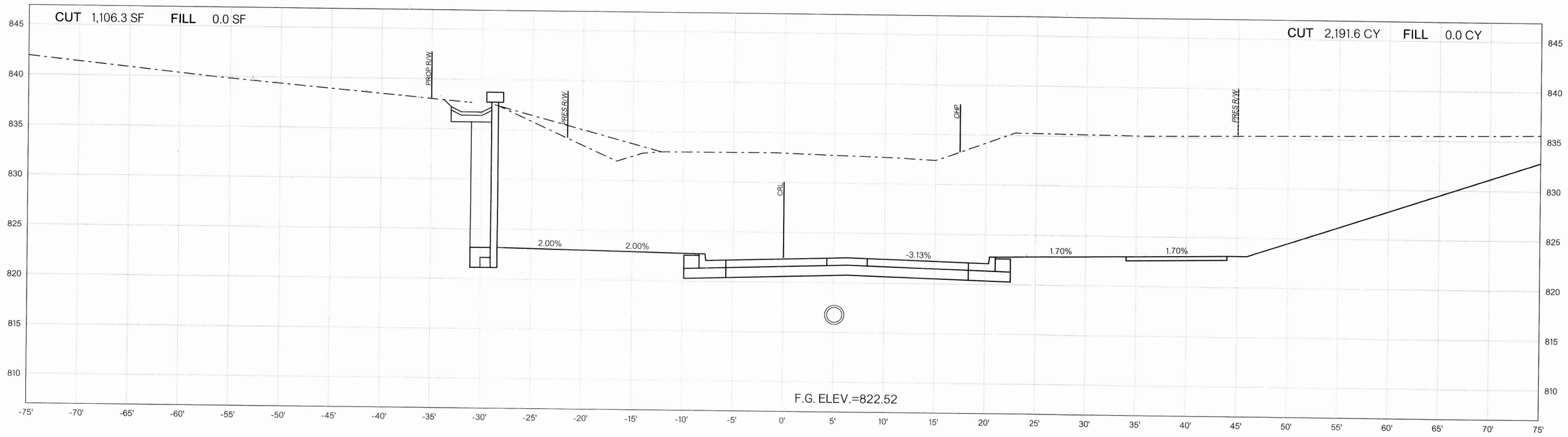
I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-XS.dgn

5/30/2025

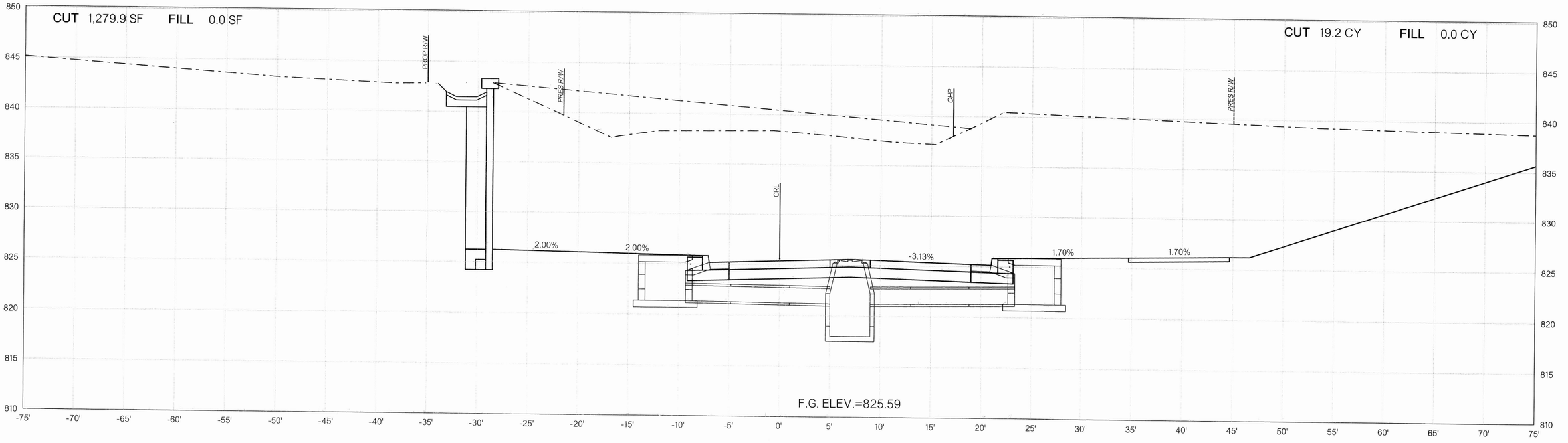
CROSS SECTION

144105, 2036W0001Z & 2036A0024Z
PROJECT NO.

SHEET NO. XS44



165+00.00



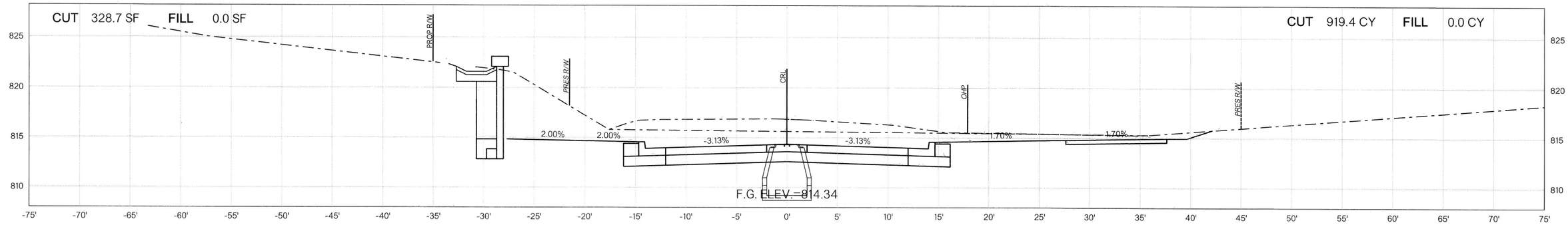
164+50.40

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-XS.dgn

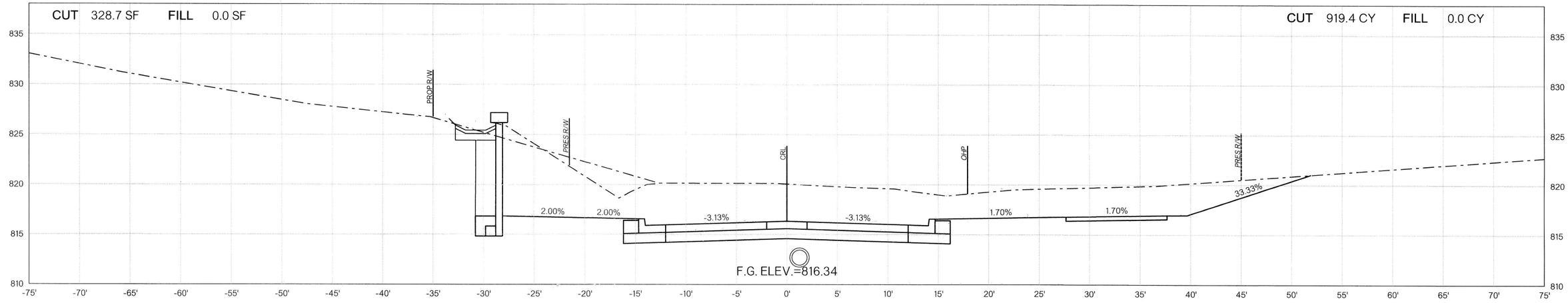
5/30/2025

CROSS SECTION

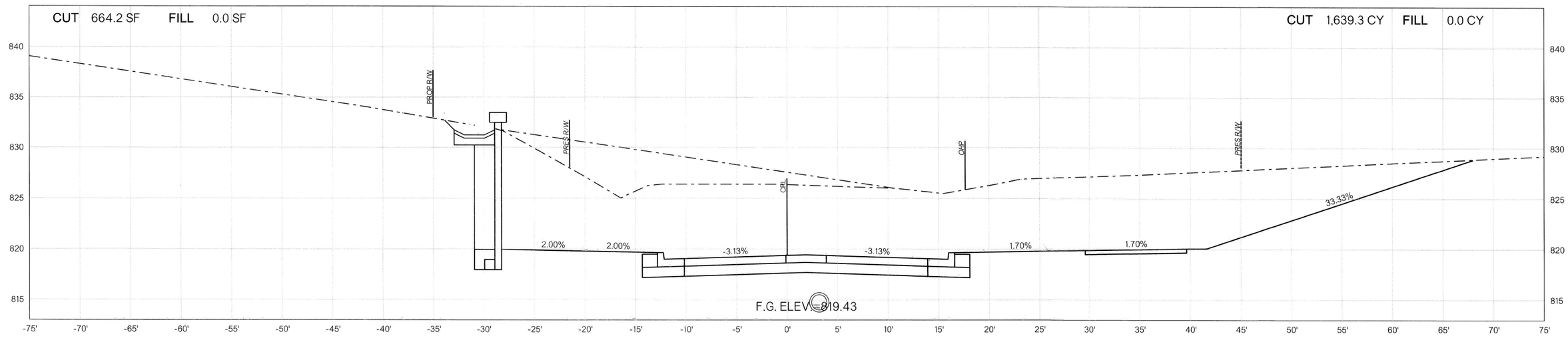
144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS45



166+32.36



166+00.00



165+50.00

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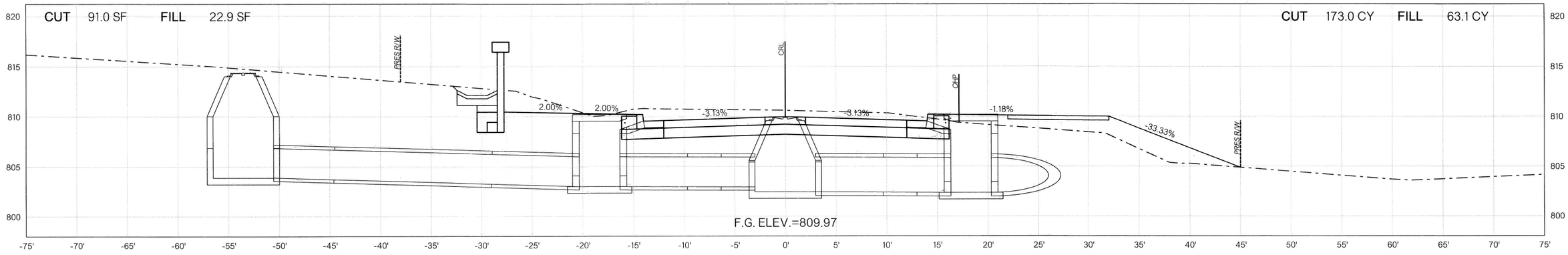
6/19/2025

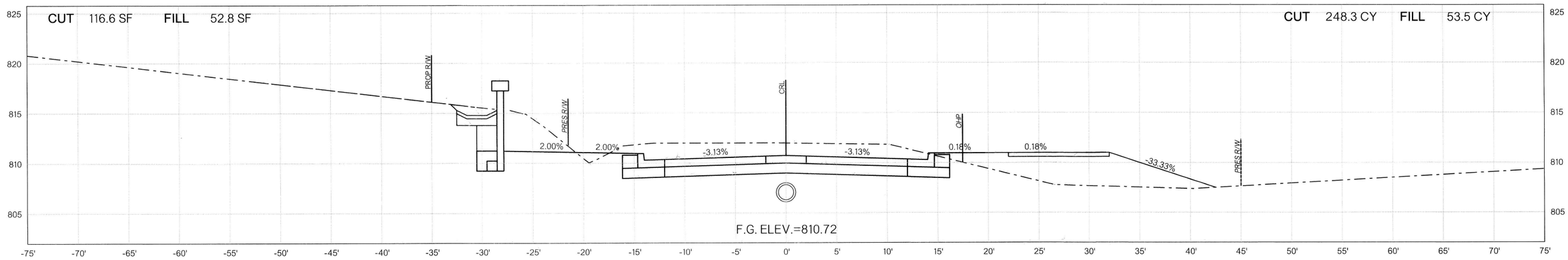
CROSS SECTION

144105, 2036W0001Z & 2036A0024Z
PROJECT NO.

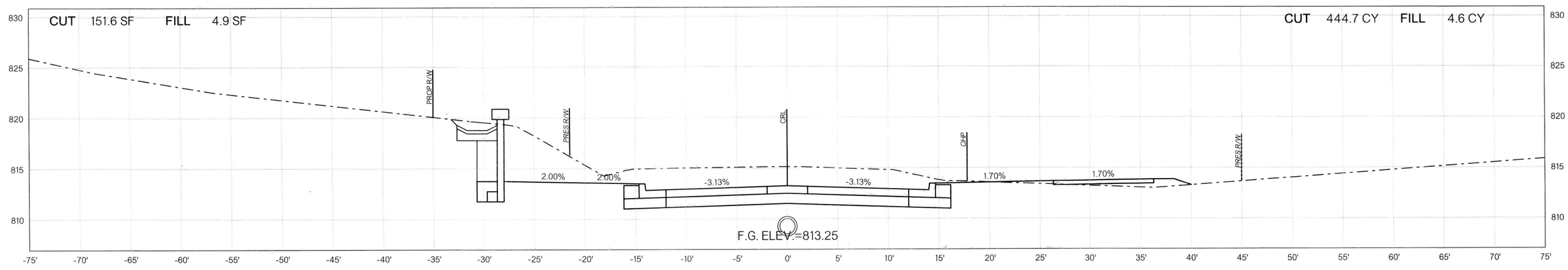
SHEET NO. XS46



167+45.00



167+00.00



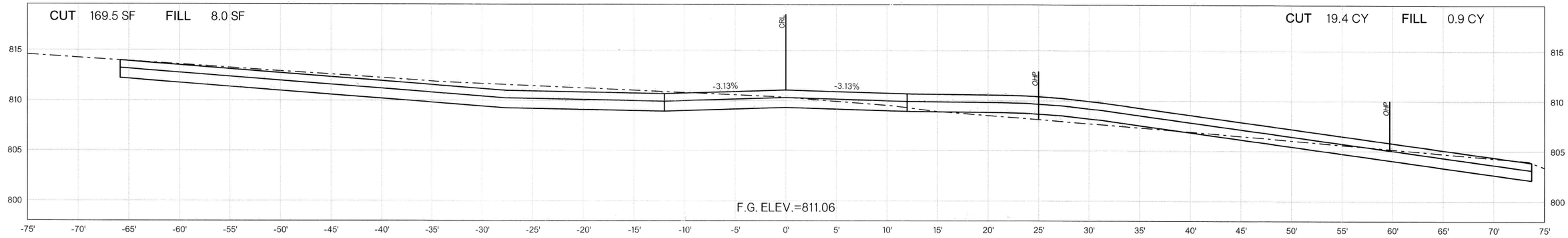
166+50.00

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-XS.dgn

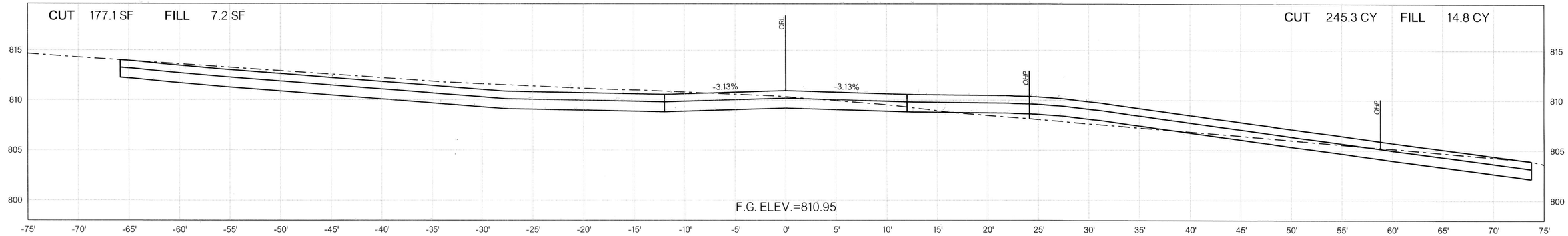
5/30/2025

CROSS SECTION

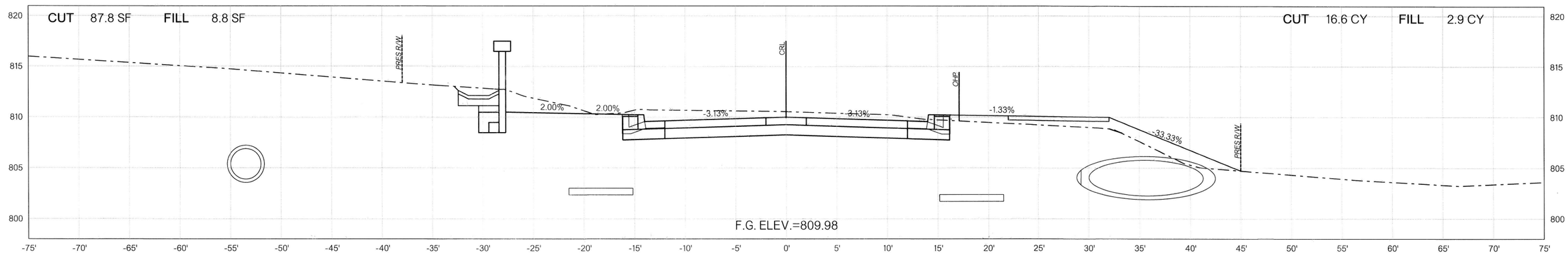
144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS47



168+03.03



168+00.00



167+50.00

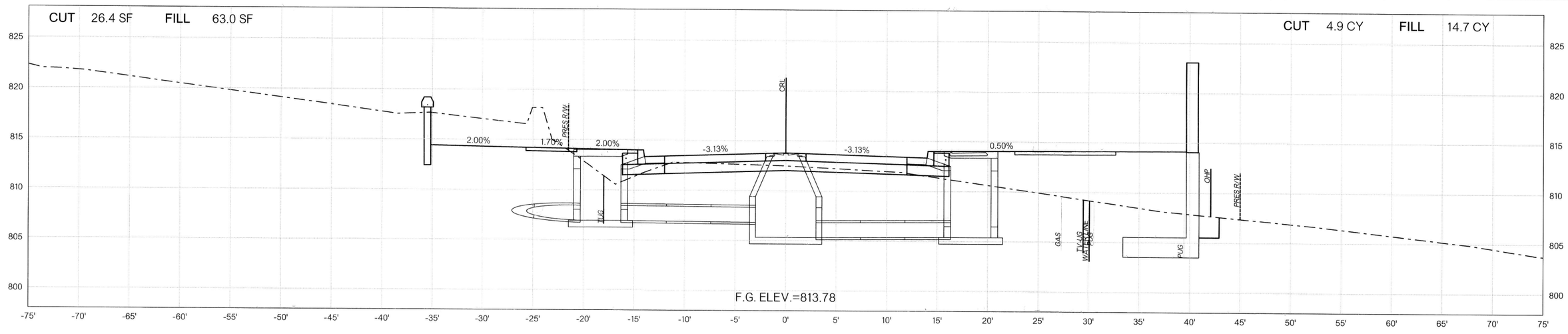
I:\21-1009 25th Widening\Plan Sheets\RoadwaySht\21-1009-XS.dgn

5/30/2025

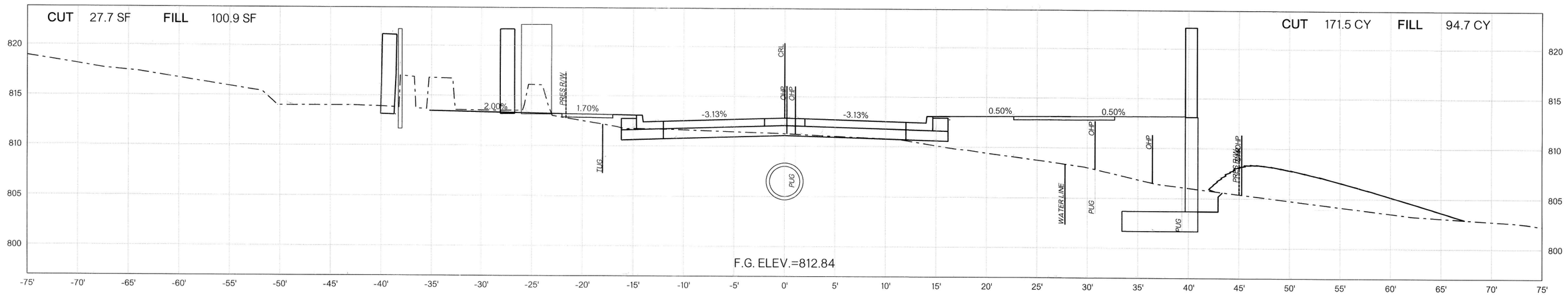
CROSS SECTION

144105, 2036W0001Z & 2036A0024Z — PROJECT NO.

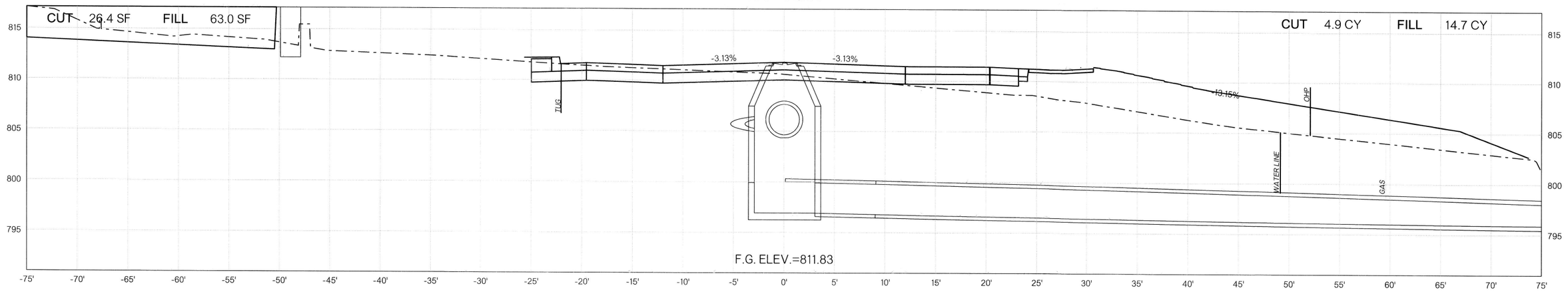
SHEET NO. XS48



168+75.04



168+50.00



168+23.23

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-XS.dgn

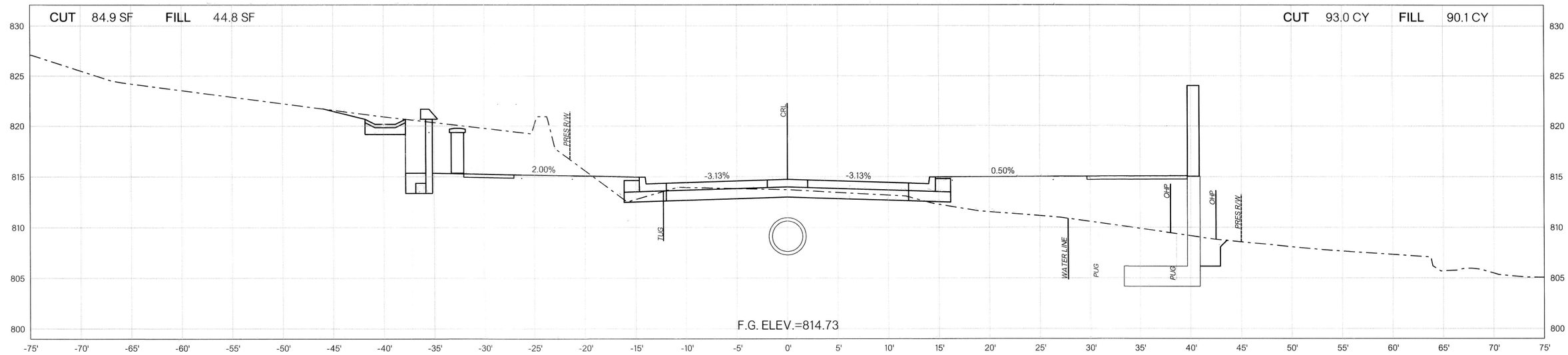
6/19/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS49



169+50.00



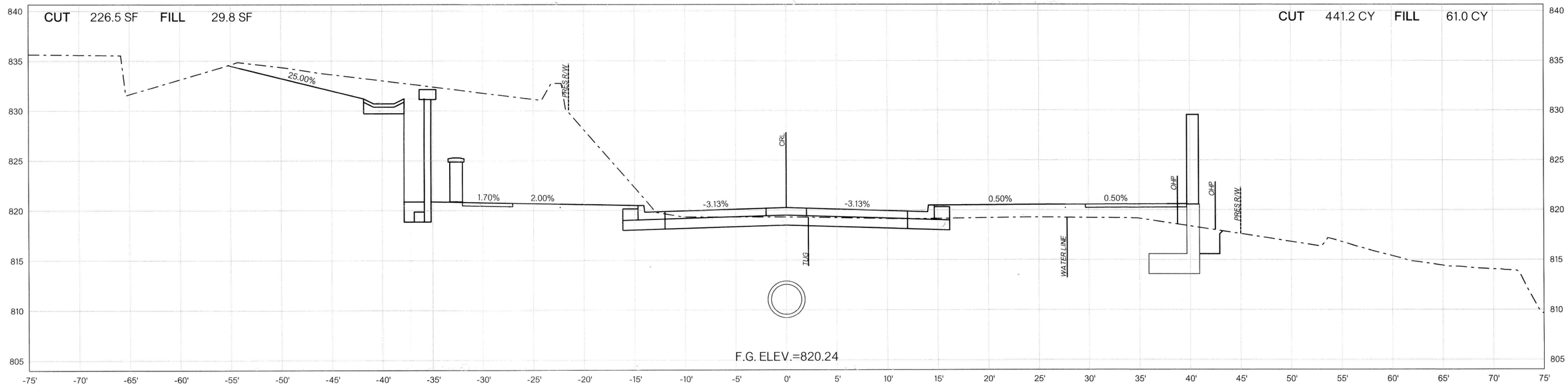
169+00.00

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-XS.dgn

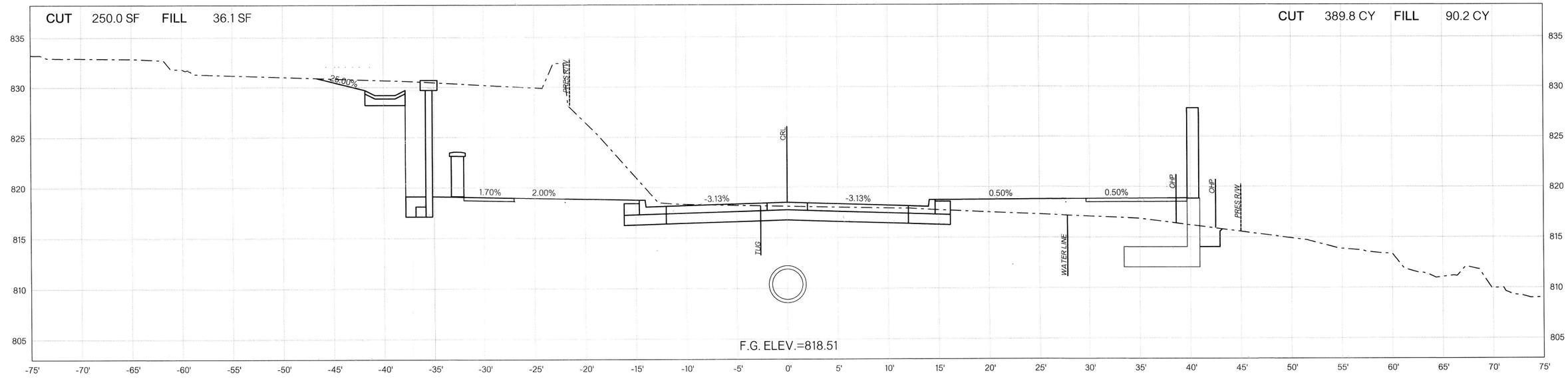
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS50



170+50.00



170+00.00

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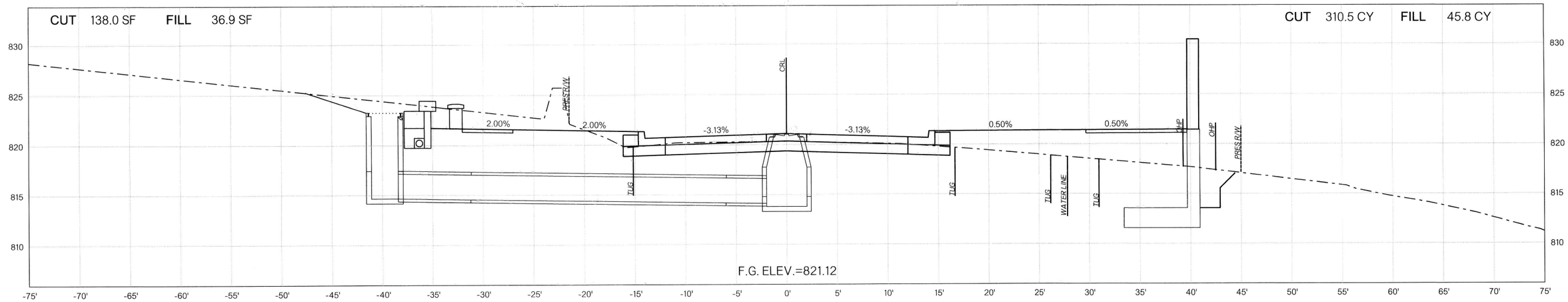
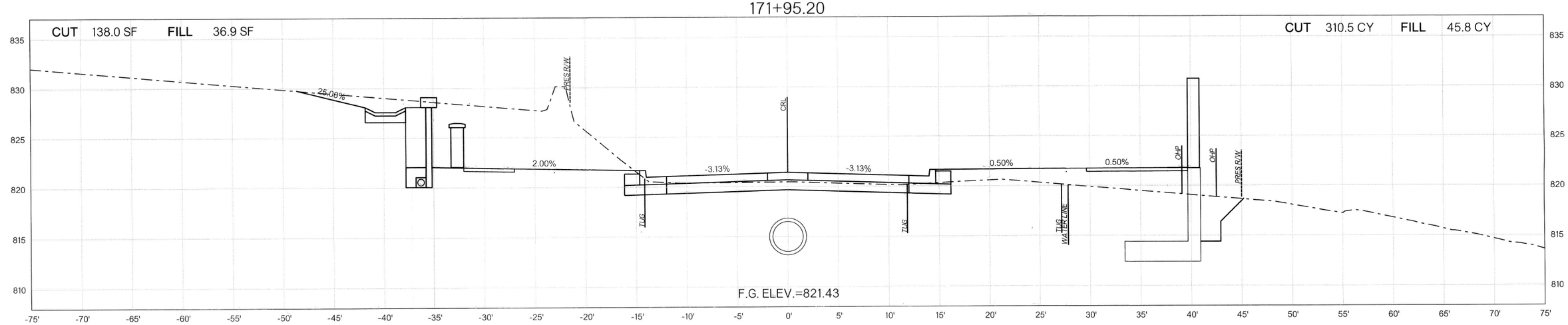
5/30/2025

CROSS SECTION

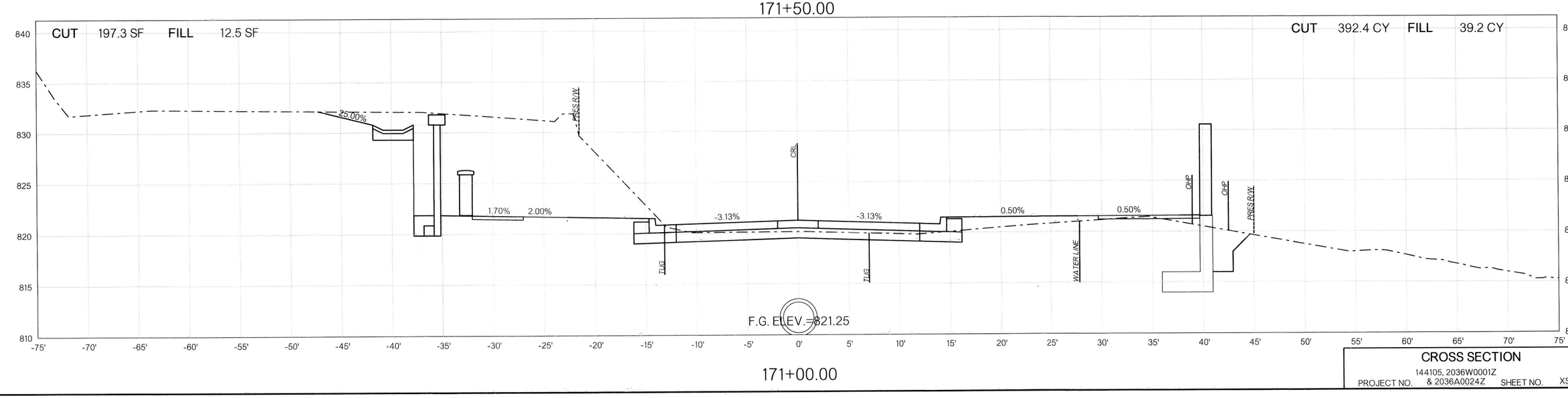
144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS51



171+95.20



171+50.00



171+00.00

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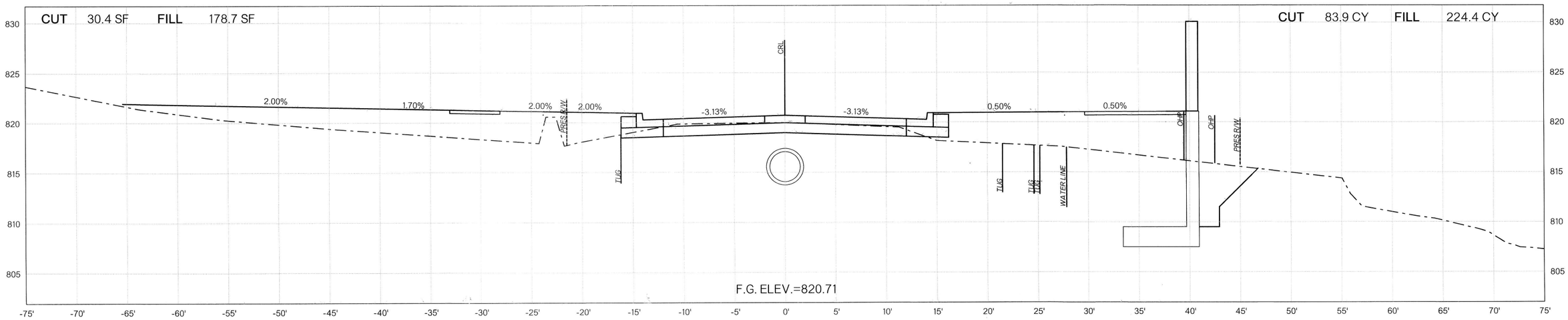
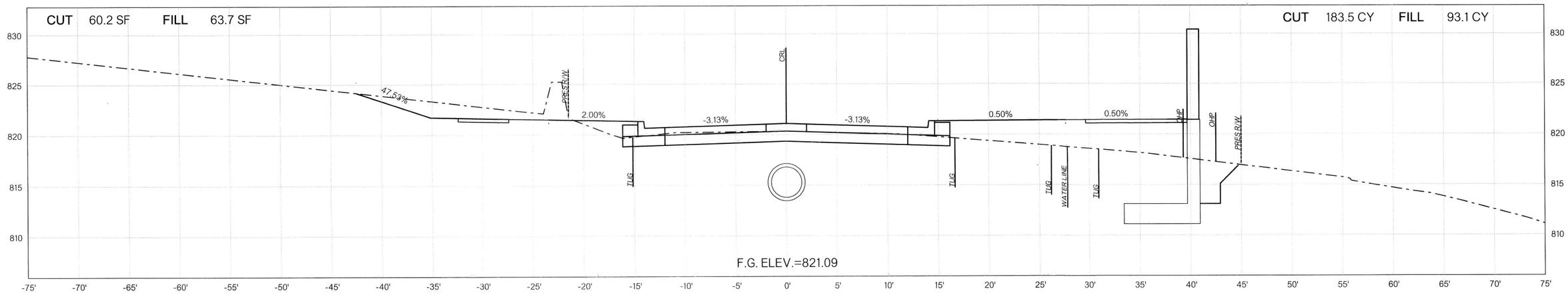
6/19/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS52



172+50.00



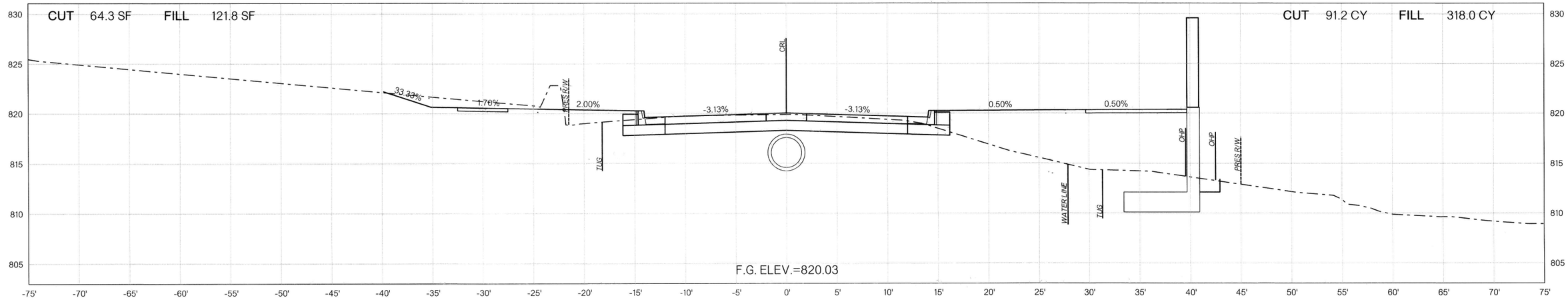
172+00.00

I:\21-1009 25th Widening\Plan Sheets\Roadway\Shts\21-1009-XS.dgn

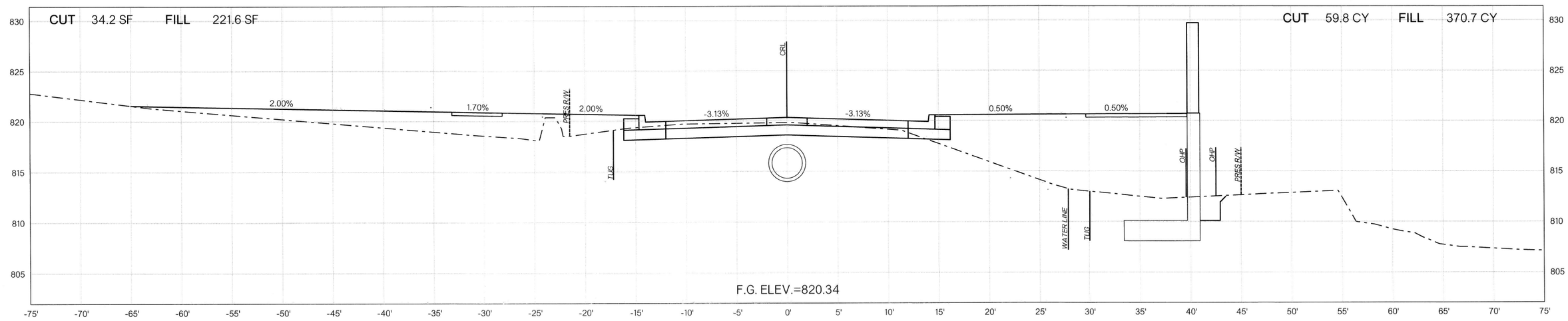
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS53



173+50.00



173+00.00

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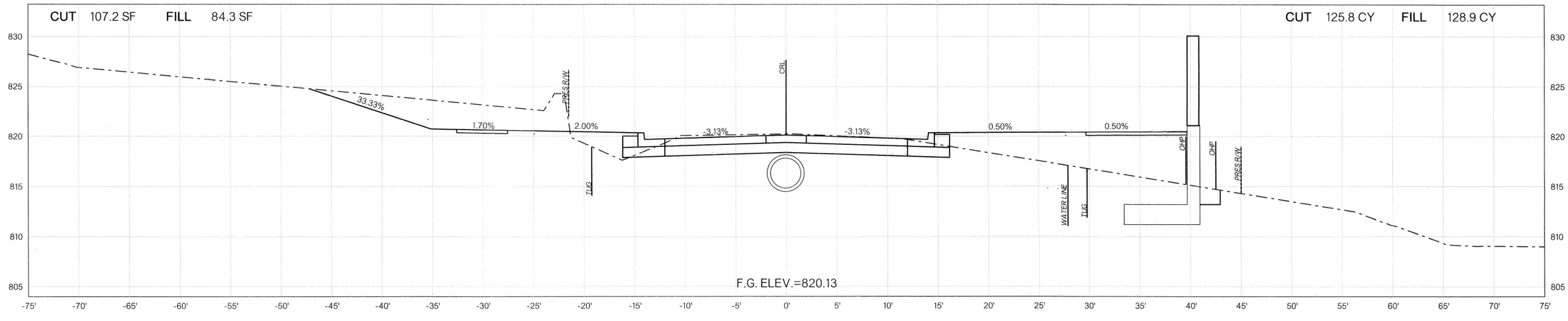
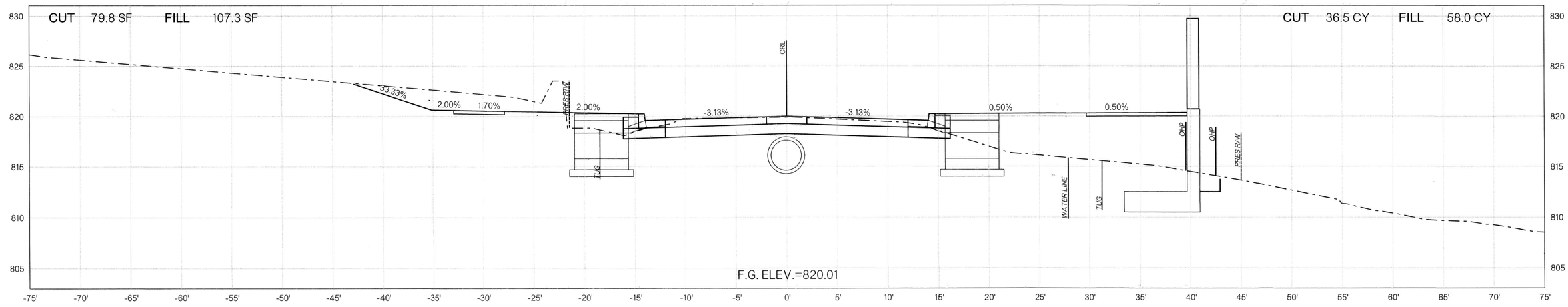
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS54



174+00.00



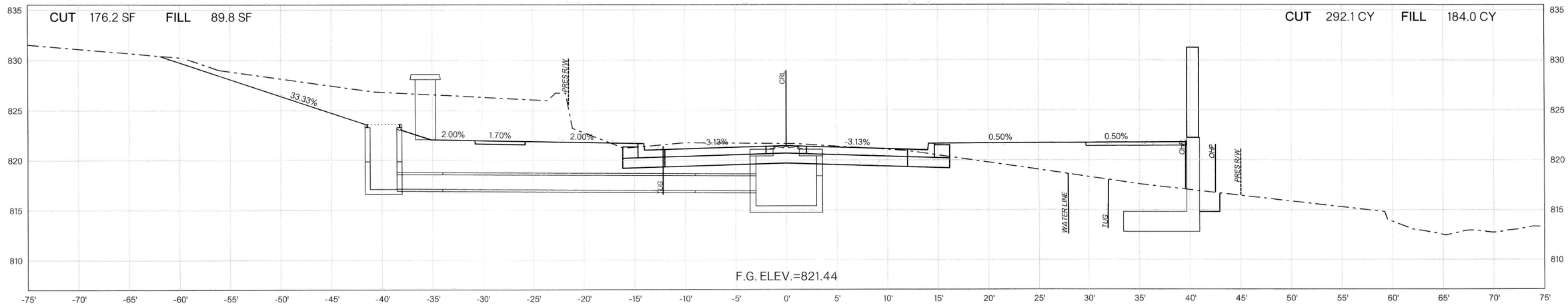
173+59.11

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-XS.dgn

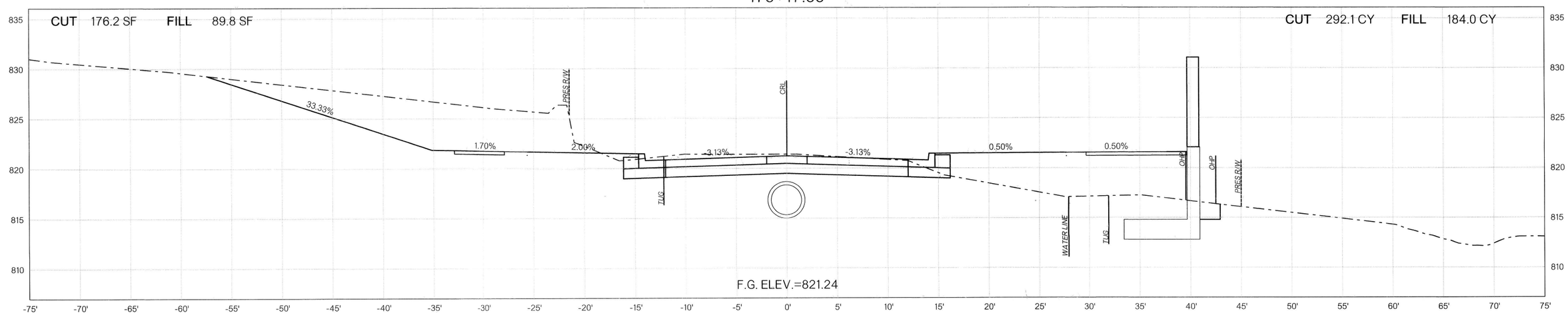
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS55



175+17.55



175+00.00



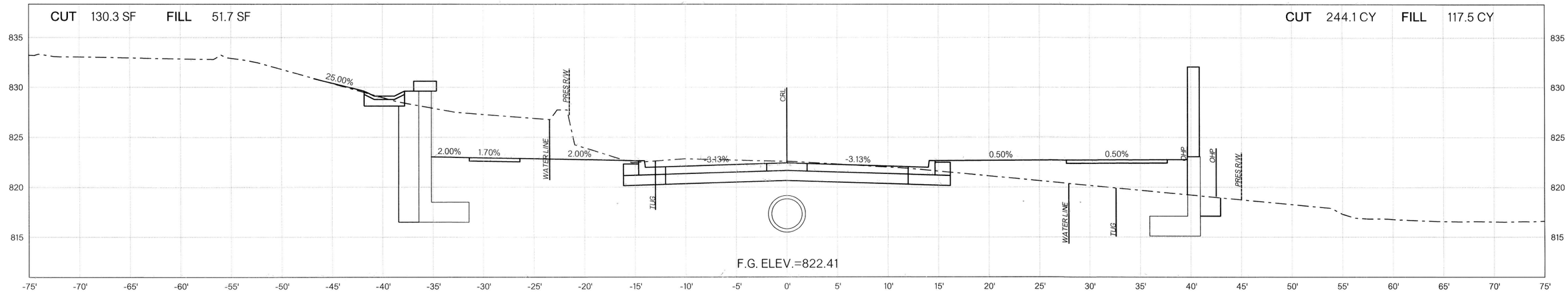
174+50.00

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-XS.dgn

6/19/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS56



176+00.00



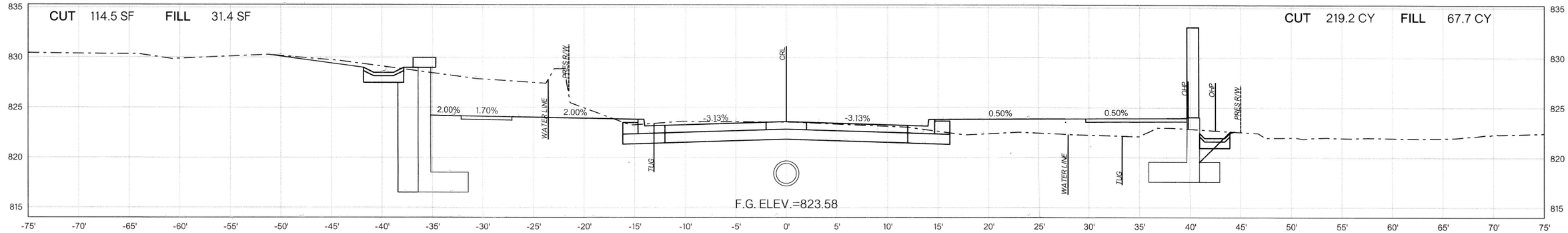
175+50.00

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-XS.dgn

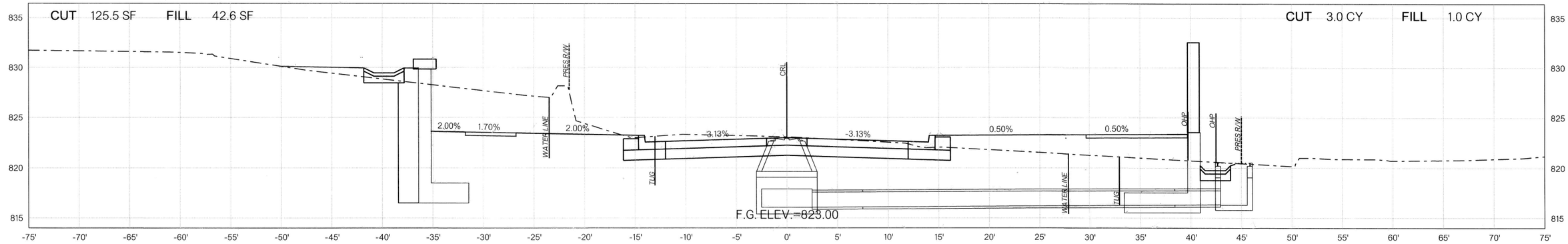
5/30/2025

CROSS SECTION

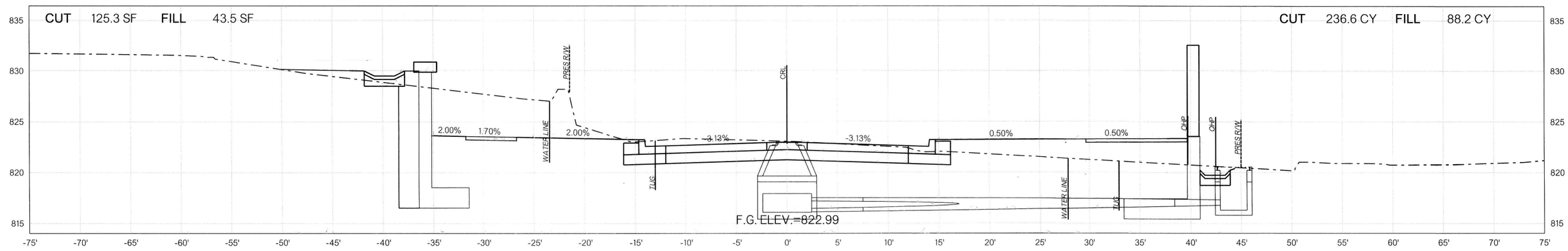
144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS57



177+00.00



176+50.65



176+50.00

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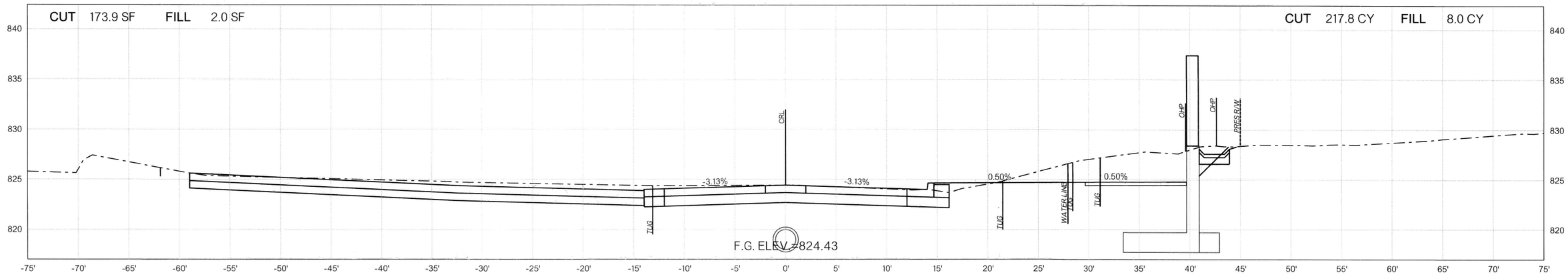
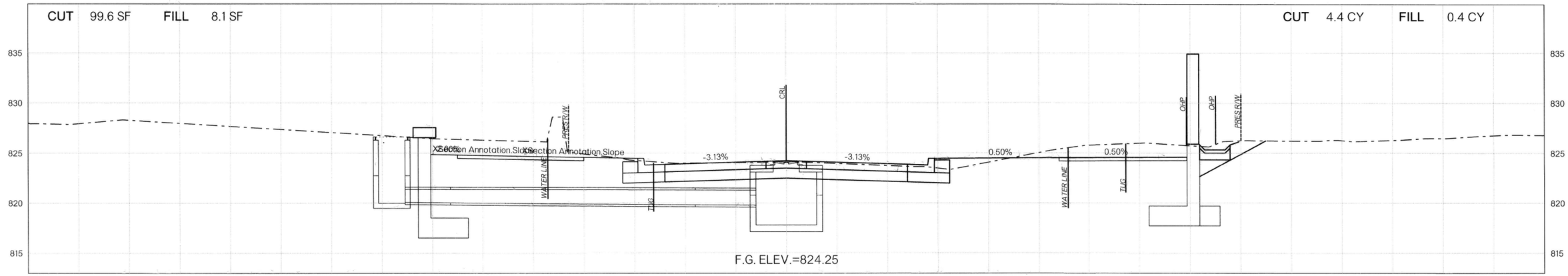
5/30/2025

CROSS SECTION

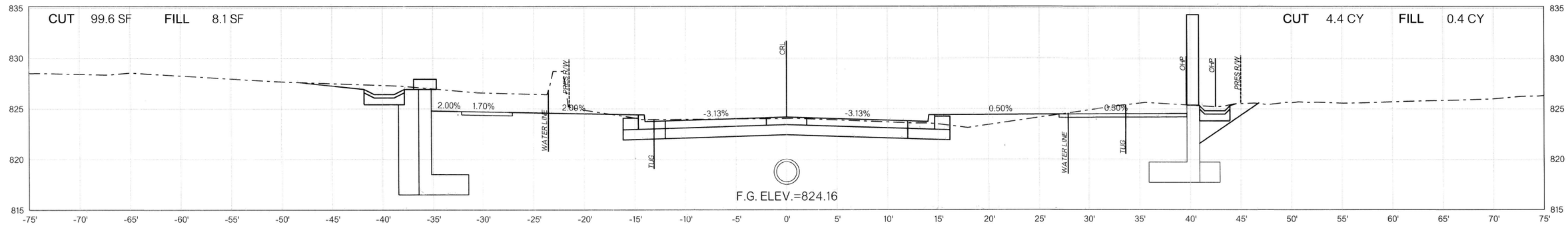
144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS58



177+93.00



177+57.99



177+50.00

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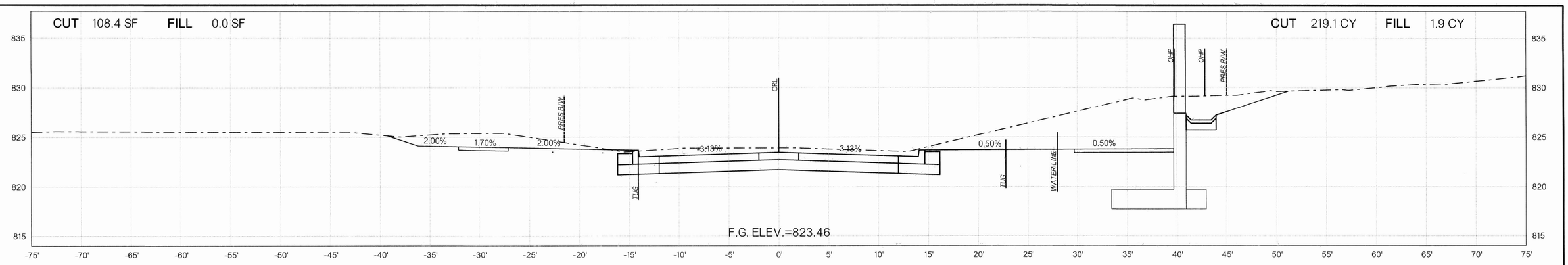
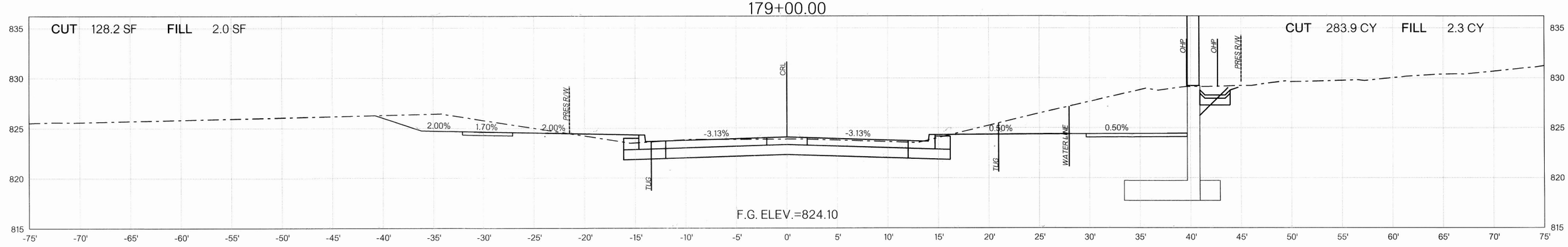
6/19/2025

CROSS SECTION

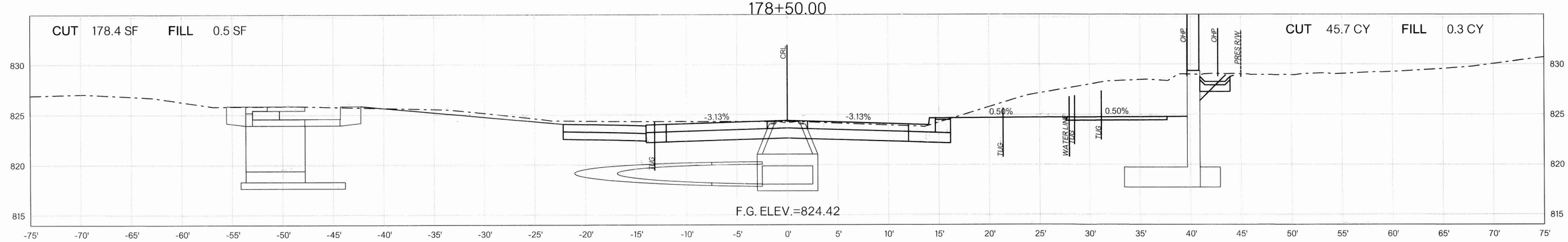
144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS59



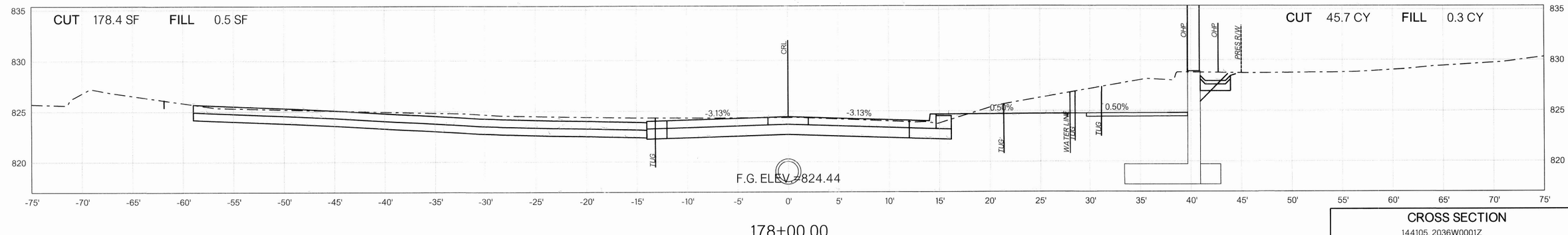
179+00.00



178+50.00



178+06.67



178+00.00

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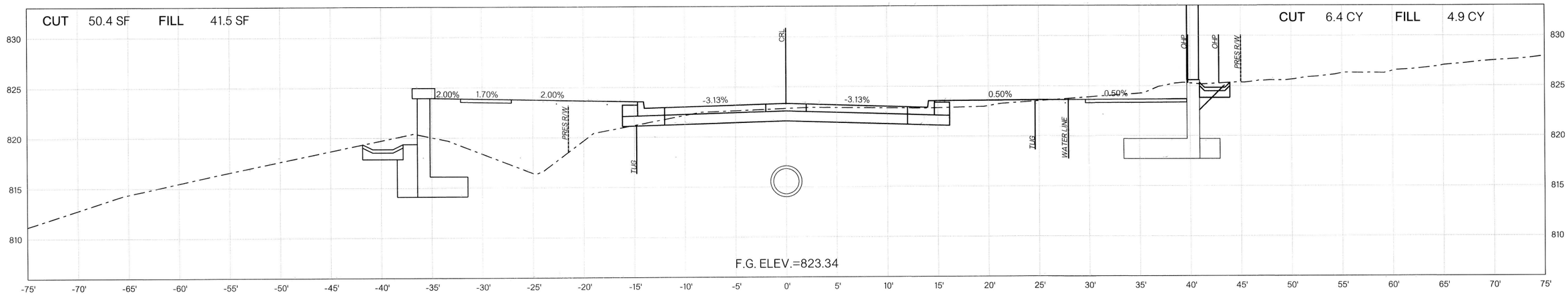
6/19/2025

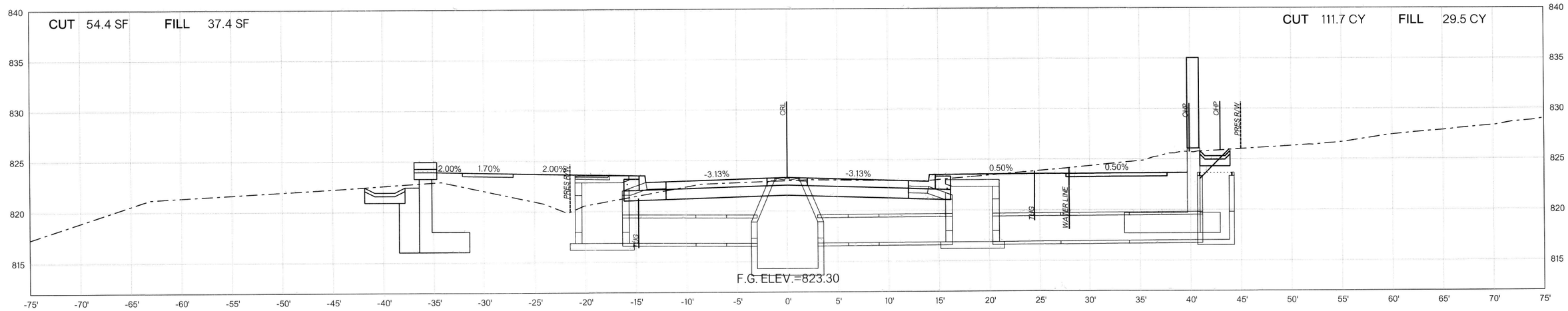
CROSS SECTION

144105, 2036W0001Z & 2036A0024Z — PROJECT NO.

SHEET NO. XS60



179+50.00



179+37.05

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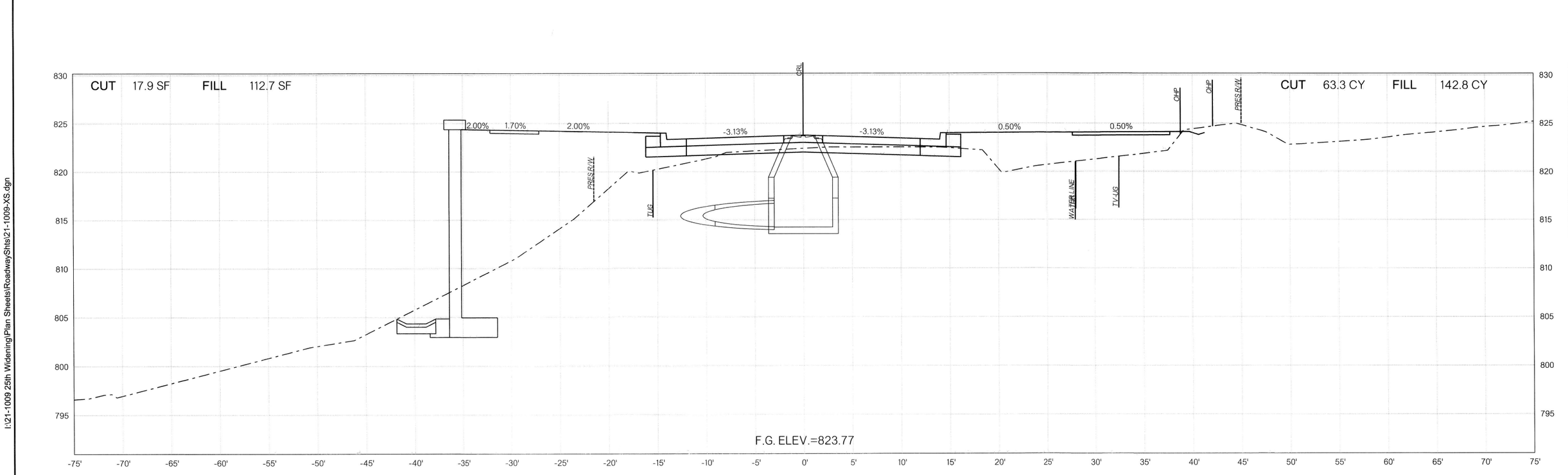
6/19/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS61



179+91.11

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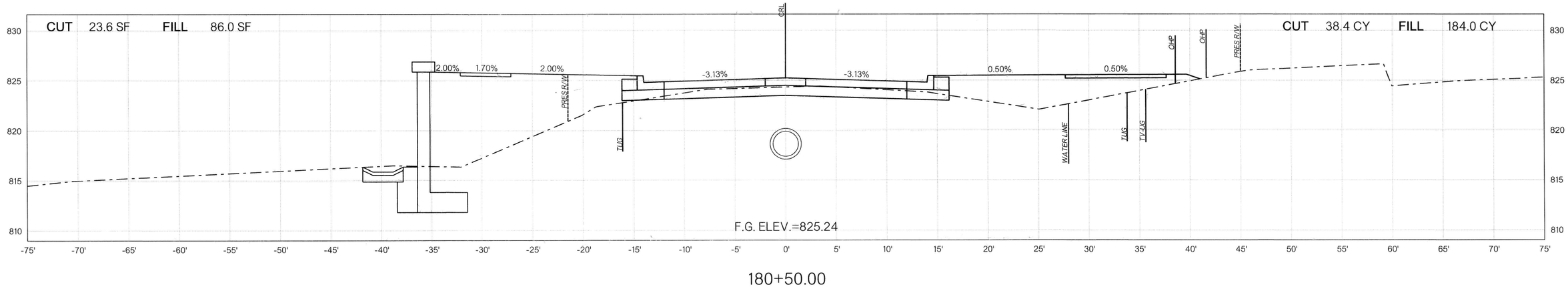
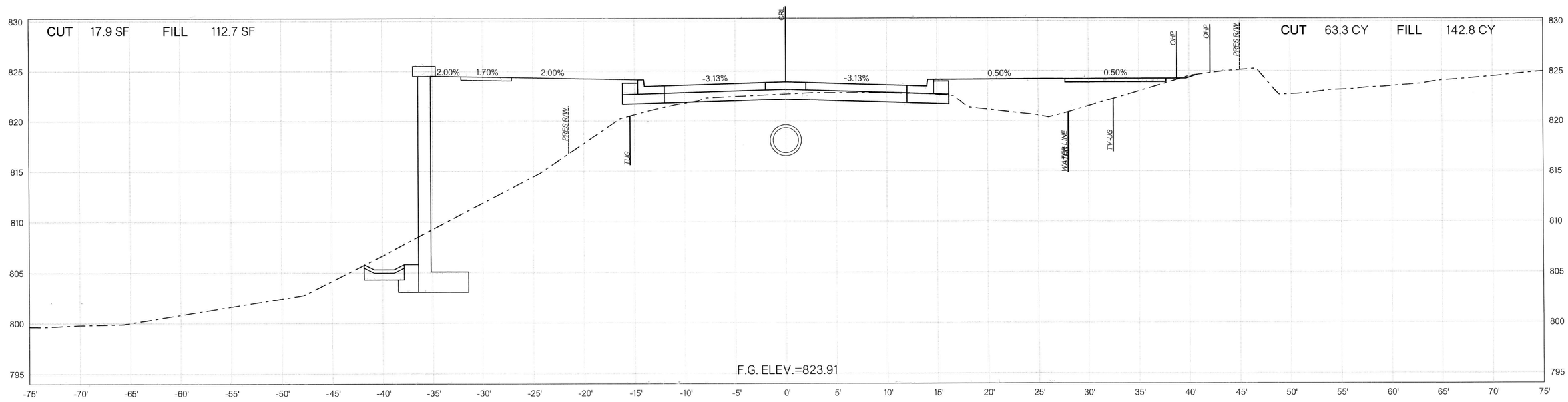
6/19/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS62



180+50.00



180+00.00

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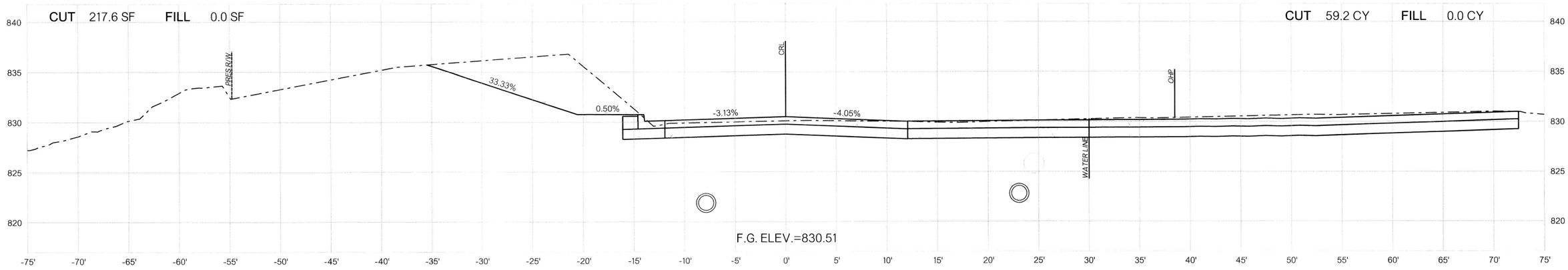
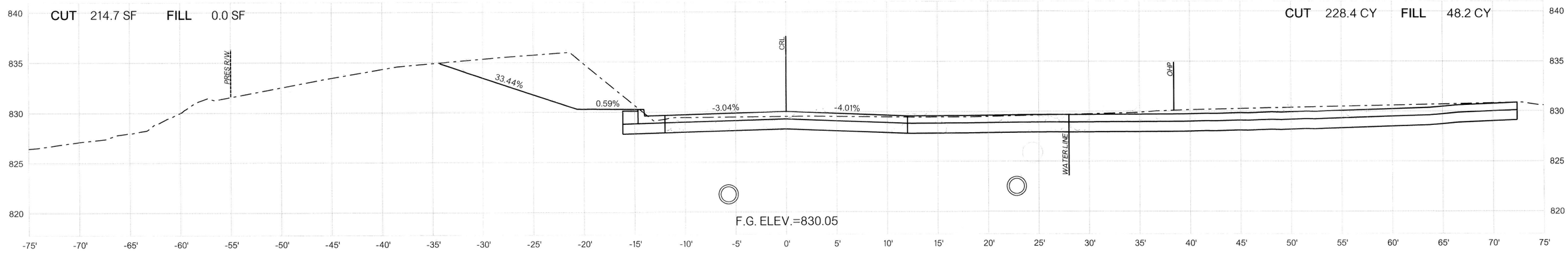
6/19/2025

CROSS SECTION

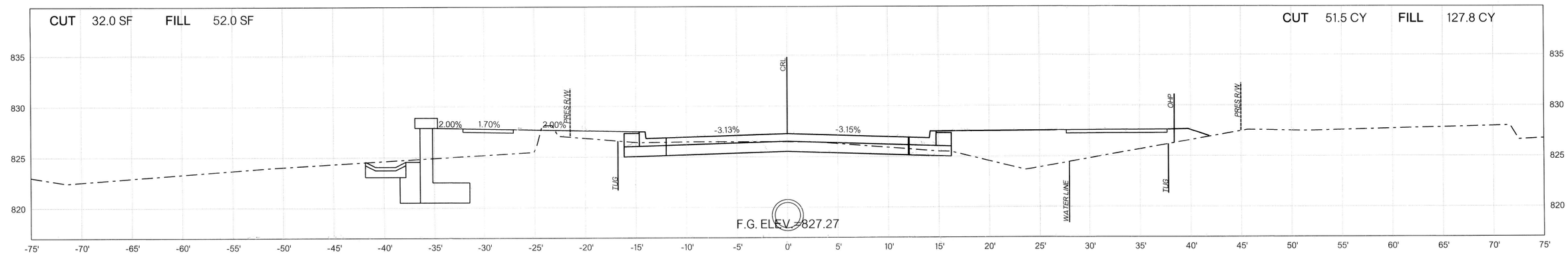
144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS63



181+57.40



181+50.00



181+00.00

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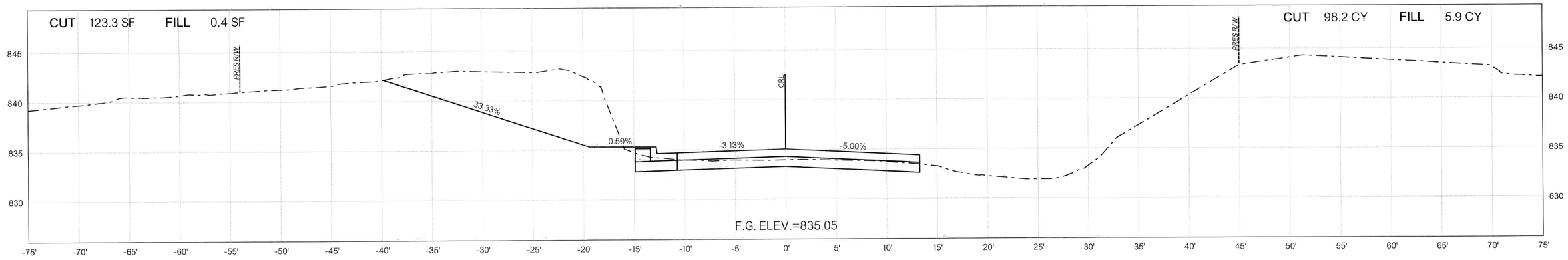
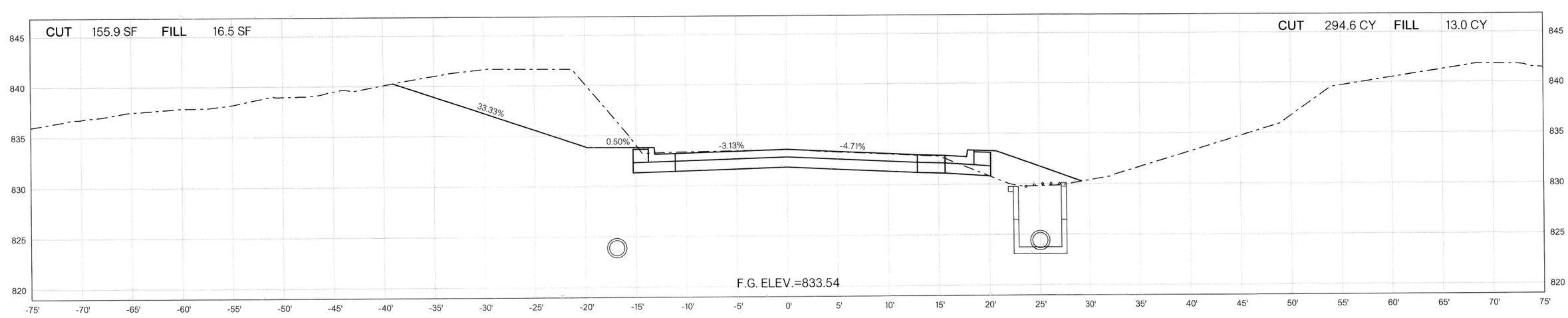
6/19/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS64



182+19.00



182+00.00

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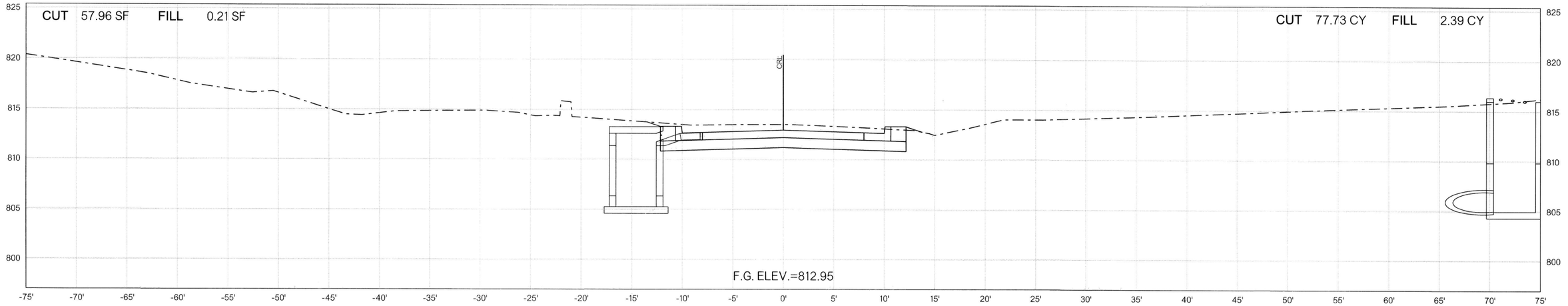
6/19/2025

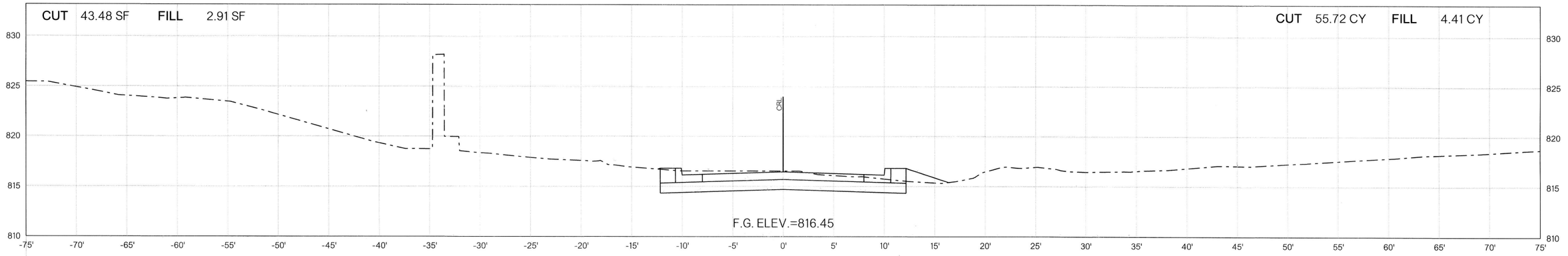
CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS65

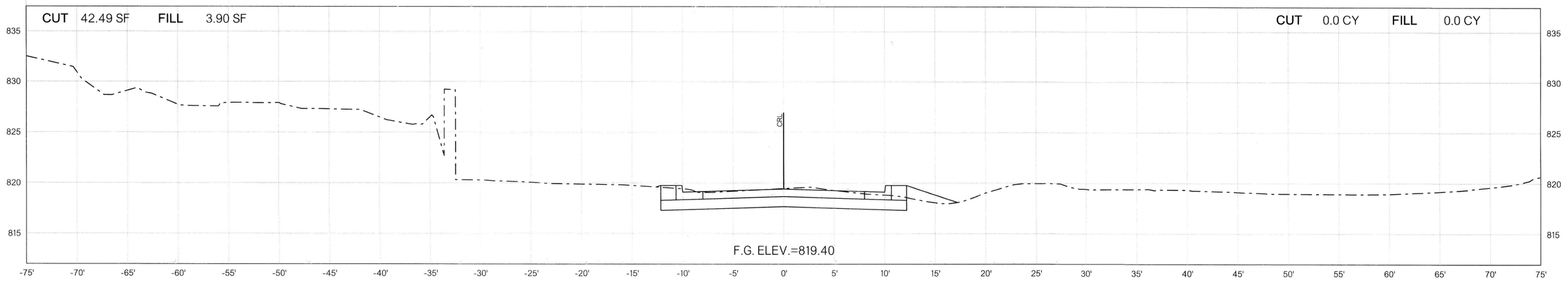
WEST NEWTON STREET



29+41.38



29+00.00



28+65.00

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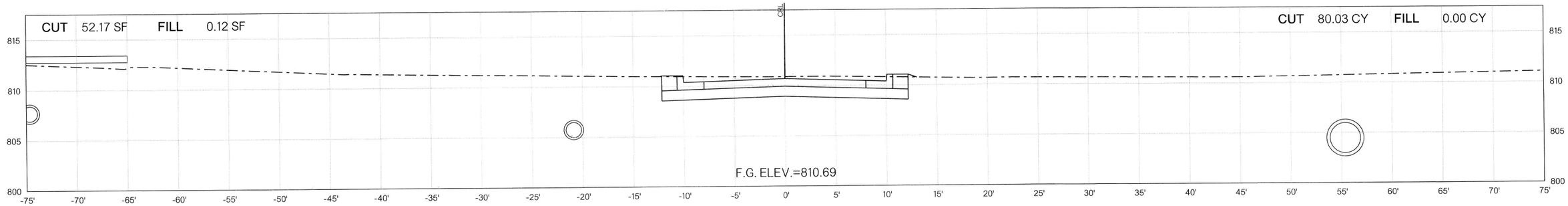
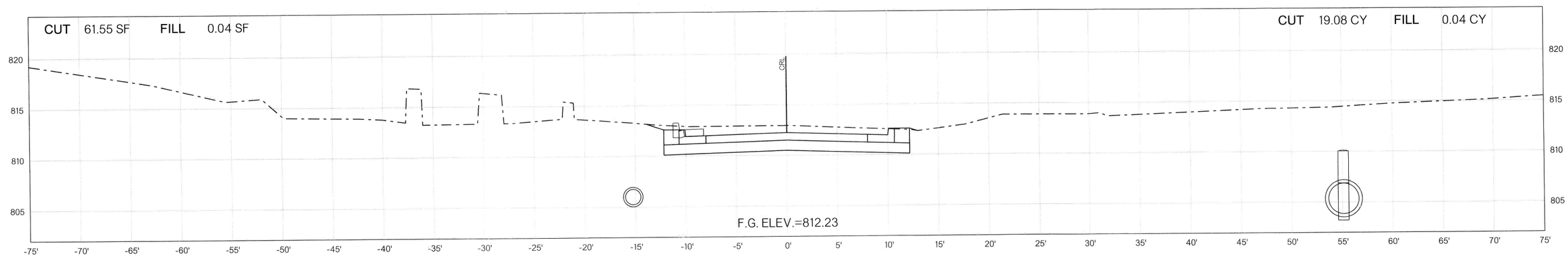
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS66



29+88.00



29+50.00

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS67

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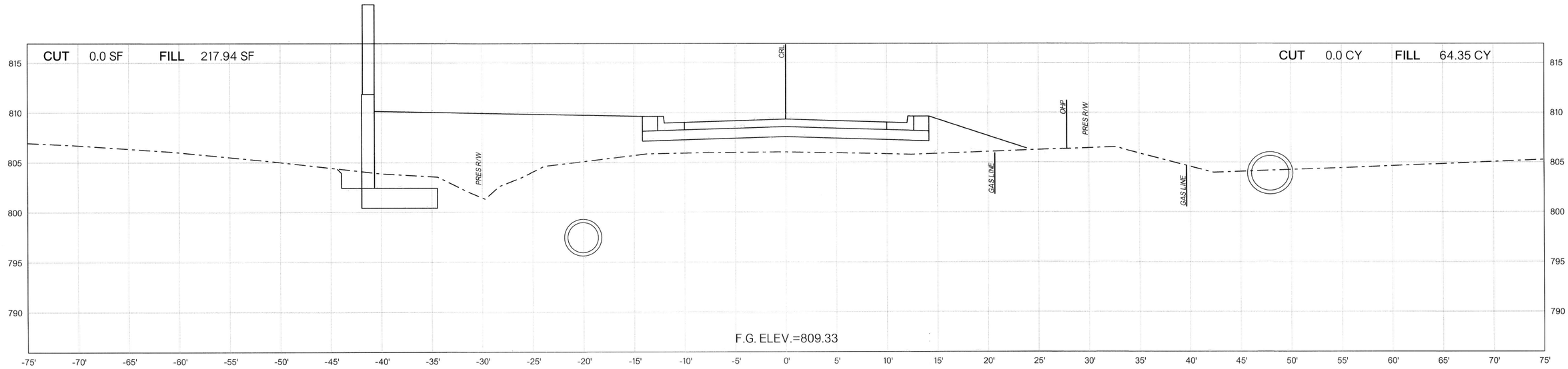
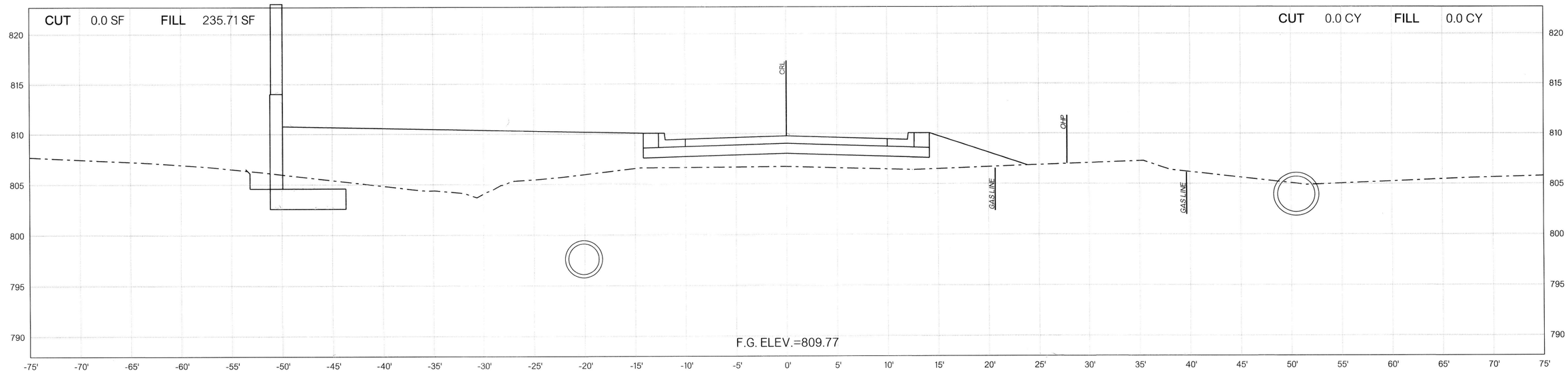
5/30/2025



30+50.00



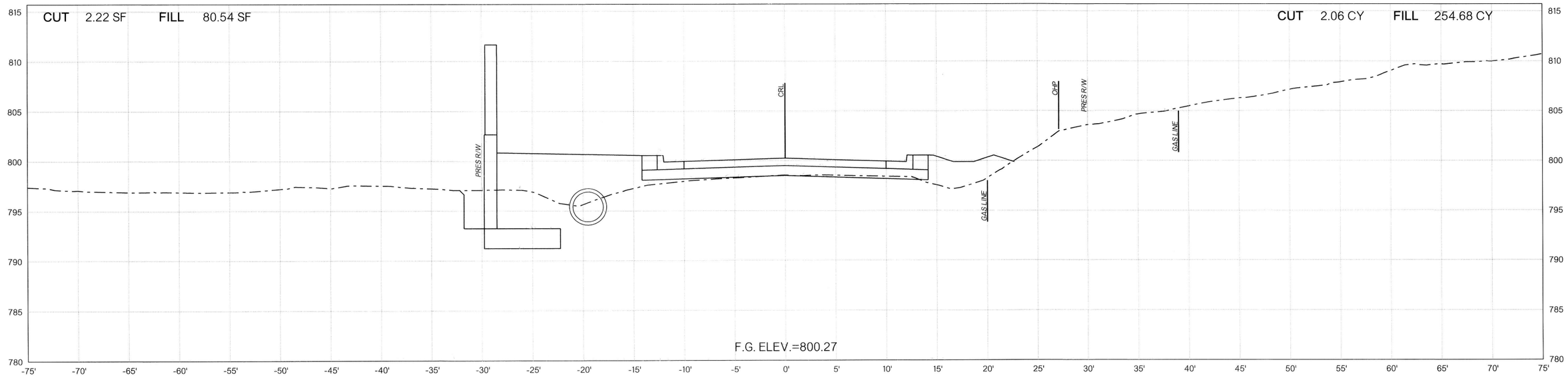
30+42.34

I:\21-1009 25th Widening\Plan Sheets\RoadwayShts\21-1009-XS Newton East.dgn

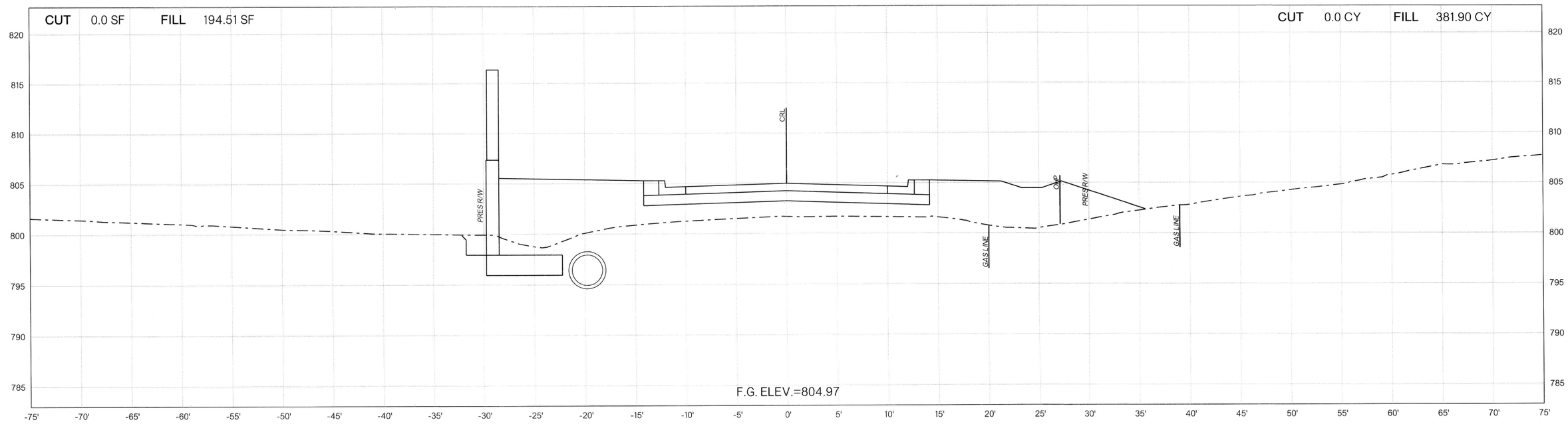
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS68



31+50.00



31+00.00

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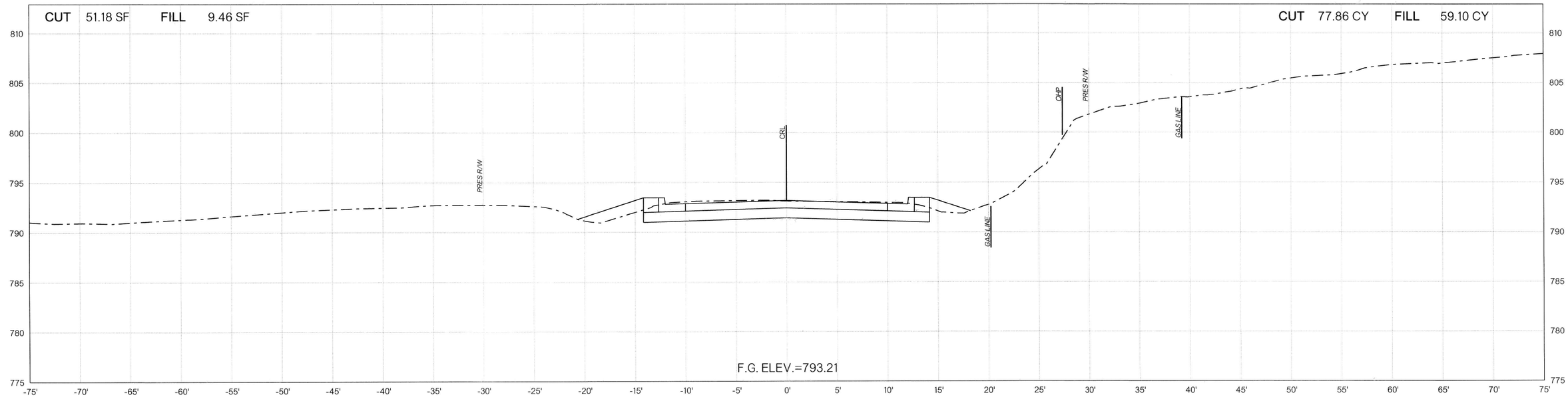
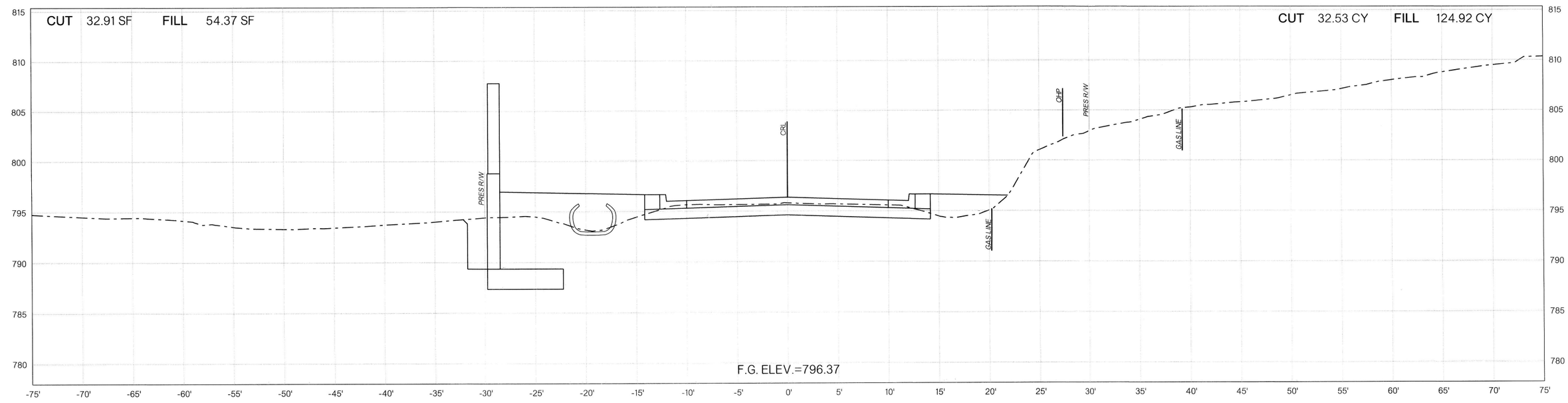
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS69



32+50.00



32+00.00

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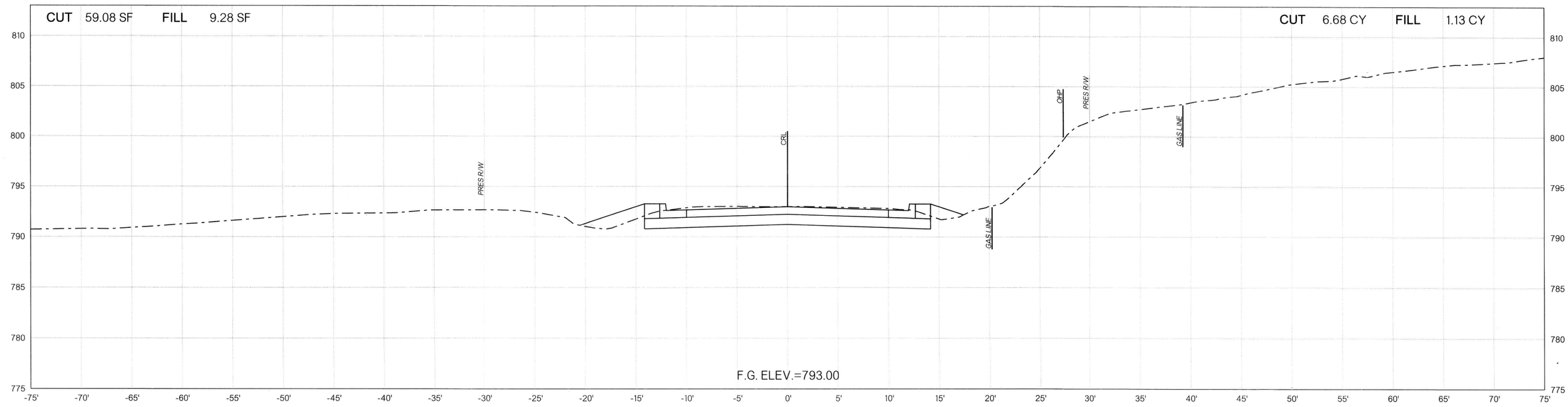
5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS70



32+53.67

I:\21-1009 25th Widening\Plan Sheets\Roadway\Shts\21-1009-XS Newton East.dgn

5/30/2025

CROSS SECTION

144105, 2036W0001Z
PROJECT NO. & 2036A0024Z SHEET NO. XS71